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(54) **PYRIDAZINE (THIO)AMIDES AS FUNGICIDAL COMPOUNDS**

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(58) **Field of Classification Search**
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See application file for complete search history.

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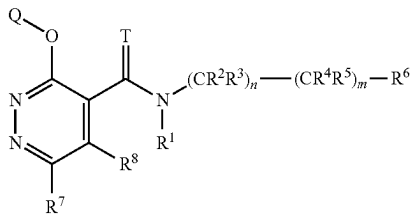
(57) **ABSTRACT**

The present disclosure relates to pyridazine (thio) amide compounds of the formula (I):

(I)



wherein T, n, m, R^1, R^2, R^3, R^4, R^5, R^6, R^7, R^8, and Q are as recited herein as well as their salts, N-oxides, and solvates, processes and intermediates for their preparation as well as the uses thereof for controlling phytopathogenic microorganisms, such as phytopathogenic fungi.

10 Claims, No Drawings

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PYRIDAZINE (THIO)AMIDES AS FUNGICIDAL COMPOUNDS

CROSS REFERENCE TO RELATED APPLICATIONS

This application is a national stage application under 35 U.S.C. § 371 of International Application No. PCT/EP2019/082754, filed internationally on Nov. 27, 2019, which claims the benefit of priority to European Application No. 18208870.8, filed Nov. 28, 2018.

TECHNICAL FIELD

The present invention relates to pyridazine (thio)amide compounds and the uses thereof for controlling phytopathogenic microorganisms such as phytopathogenic fungi. It also relates to processes and intermediates for preparing these compounds.

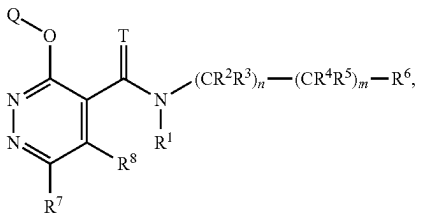
BACKGROUND

Numerous crop protection agents to combat or prevent microorganisms' infestations have been developed until now. However, the need remains for the development of new compounds as such, so as to provide compounds being effective against a broad spectrum of phytopathogenic microorganisms, such as fungi, having low toxicity, high selectivity or that can be used at low application rate whilst still allowing effective pest control. It may also be desired to have new compounds to prevent the emergence of resistances.

The present invention provides new compounds for controlling phytopathogenic microorganisms such as fungi which have advantages over known compounds and compositions in at least some of these aspects.

SUMMARY

The present invention relates compounds of the formula (I):



(I)

wherein T, n, m, R^1, R^2, R^3, R^4, R^5, R^6, R^7 R^8 and Q are as recited herein as well as their salts, N-oxides and solvates.

The present invention relates to a composition comprising at least one compound of formula (I) as defined herein and at least one agriculturally suitable auxiliary.

The present invention relates to a method for controlling phytopathogenic fungi which comprises the step of applying at least one compound of formula (I) as defined herein or a composition as defined herein to the plants, plant parts, seeds, fruits or to the soil in which the plants grow.

The present invention also relates to processes and intermediates for preparing compounds of formula (I).

Definitions

The term "halogen" as used herein refers to fluorine, chlorine, bromine or iodine atom.

The term "methylidene" as used herein refers to a CH_2 group connected to a carbon atom via a double bond.

The term "halomethylidene" as used herein refers to a CX_2 group connected to a carbon atom via a double bond, wherein X is halogen.

The term "oxo" as used herein refers to an oxygen atom which is bound to a carbon atom or sulfur atom via a double bound.

The term "C1-C_6-alkyl" as used herein refers to a saturated, branched or straight hydrocarbon chain having 1, 2, 3, 4, 5 or 6 carbon atoms. Examples of C_1-C_6-alkyl include but are not limited to methyl, ethyl, propyl (n-propyl), 1-methylethyl (iso-propyl), butyl (n-butyl), 1-methylpropyl (sec-butyl), 2-methylpropyl (iso-butyl), 1,1-dimethylethyl (tert-butyl), pentyl, 1-methylbutyl, 2-methylbutyl, 3-methylbutyl, 2,2-dimethylpropyl, 1-ethylpropyl, 1,1-dimethylpropyl, 1,2-dimethylpropyl, hexyl, 1-methylpentyl, 2-methylpentyl, 3-methylpentyl, 4-methylpentyl, 1,1-dimethylbutyl, 1,2-dimethylbutyl, 1,3-dimethylbutyl, 2,2-dimethylbutyl, 2,3-dimethylbutyl, 3,3-dimethylbutyl, 1-ethylbutyl, 2-ethylbutyl, 1,1,2-trimethylpropyl, 1,2,2-trimethylpropyl, 1-ethyl-1-methylpropyl and 1-ethyl-2-methylpropyl. Particularly, said hydrocarbon chain has 1, 2, 3 or 4 carbon atoms ("C_1-C_4-alkyl"), e.g. methyl, ethyl, propyl, iso-propyl, butyl, sec-butyl, iso-butyl or tert-butyl.

The term "C_2-C_6-alkenyl" as used herein refers to an unsaturated, branched or straight hydrocarbon chain having 2, 3, 4, 5 or 6 carbon atoms and comprising at least one double bond. Examples of C_2-C_6-alkenyl include but are not limited to ethenyl (or "vinyl"), prop-2-en-1-yl (or "allyl"), prop-1-en-1-yl, but-3-enyl, but-2-enyl, but-1-enyl, pent-4-enyl, pent-3-enyl, pent-2-enyl, pent-1-enyl, hex-5-enyl, hex-4-enyl, hex-3-enyl, hex-2-enyl, hex-1-enyl, prop-1-en-2-yl (or "isopropenyl"), 2-methylprop-2-enyl, 1-methylprop-2-enyl, 2-methylprop-1-enyl, 1-methylprop-1-enyl, 3-methylbut-3-enyl, 2-methylbut-3-enyl, 1-methylbut-3-enyl, 3-methylbut-2-enyl, 2-methylbut-2-enyl, 1-methylbut-2-enyl, 3-methylbut-1-enyl, 2-methylbut-1-enyl, 1-methylbut-1-enyl, 1,1-dimethylprop-2-enyl, 1-ethylprop-1-enyl, 1-propylvinyl, 1-isopropylvinyl, 4-methylpent-4-enyl, 3-methylpent-4-enyl, 2-methylpent-4-enyl, 1-methylpent-4-enyl, 4-methylpent-3-enyl, 3-methylpent-3-enyl, 2-methylpent-3-enyl, 1-methylpent-3-enyl, 4-methylpent-2-enyl, 3-methylpent-2-enyl, 2-methylpent-2-enyl, 1-methylpent-2-enyl, 4-methylpent-1-enyl, 3-methyl-pent-1-enyl, 2-methylpent-1-enyl, 1-methylpent-1-enyl, 3-ethylbut-3-enyl, 2-ethylbut-3-enyl, 1-ethylbut-3-enyl, 3-ethylbut-2-enyl, 2-ethylbut-2-enyl, 1-ethylbut-2-enyl, 3-ethylbut-1-enyl, 2-ethylbut-1-enyl, 1-ethylbut-1-enyl, 2-propylprop-2-enyl, 1-propylprop-2-enyl, 2-isopropylprop-2-enyl, 1-isopropylprop-2-enyl, 2-propylprop-1-enyl, 1-propylprop-1-enyl, 2-isopropylprop-1-enyl, 1-isopropylprop-1-enyl, 3,3-dimethylprop-1-enyl, 1-(1,1-dimethylethyl)ethenyl, buta-1,3-dienyl, penta-1,4-dienyl, hexa-1,5-dienyl or methylhexadienyl group.

The term "C_2-C_6-alkynyl" as used herein refers to a branched or straight hydrocarbon chain having 2, 3, 4, 5 or 6 carbon atoms and comprising at least one triple bond. Examples of C_2-C_6-alkynyl include but are not limited to ethynyl, prop-1-ynyl, prop-2-ynyl (or "propargyl"), but-1-ynyl, but-2-ynyl, but-3-ynyl, pent-1-ynyl, pent-2-ynyl, pent-3-ynyl, pent-4-ynyl, hex-1-ynyl, hex-2-ynyl, hex-3-ynyl, hex-4-ynyl, hex-5-ynyl, 1-methylprop-2-ynyl, 2-methylbut-

3-ynyl, 1-methylbut-3-ynyl, 1-methylbut-2-ynyl, 3-methylbut-1-ynyl, 1-ethylprop-2-ynyl, 3-methylpent-4-ynyl, 2-methylpent-4-ynyl, 1-methyl-pent-4-ynyl, 2-methylpent-3-ynyl, 1-methylpent-3-ynyl, 4-methylpent-2-ynyl, 1-methyl-pent-2-ynyl, 4-methylpent-1-ynyl, 3-methylpent-1-ynyl, 2-ethylbut-3-ynyl, 1-ethylbut-3-ynyl, 1-ethylbut-2-ynyl, 1-propylprop-2-ynyl, 1-isopropylprop-2-ynyl, 2,2-dimethylbut-3-ynyl, 1,1-dimethylbut-3-ynyl, 1,1-dimethylbut-2-ynyl or 3,3-dimethylbut-1-ynyl group.

The term "C_1-C_6-haloalkyl" as used herein refers to a C_1-C_6-alkyl group as defined above in which one or more hydrogen atoms are replaced with one or more halogen atoms that may be the same or different.

The term "C_2-C_6-haloalkenyl" as used herein refers to a C_2-C_6-alkenyl group as defined above in which one or more hydrogen atoms are replaced with one or more halogen atoms that may be the same or different.

The term "C_2-C_6-haloalkynyl" as used herein refers to a C_2-C_6-alkynyl group as defined above in which one or more hydrogen atoms are replaced with one or more halogen atoms that may be the same or different.

The term "C_1-C_6-alkoxy" as used herein refers to a group of formula (C_1-C_6-alkyl)-O—, in which the term "C_1-C_6-alkyl" is as defined herein. Examples of C_1-C_6-alkoxy include but are not limited to methoxy, ethoxy, n-propoxy, 1-methylethoxy, n-butoxy, 1-methylpropoxy, 2-methylpropoxy, 1,1-dimethylethoxy, n-pentoxy, 1-methylbutoxy, 2-methylbutoxy, 3-methylbutoxy, 2,2-dimethylpropoxy, 1-ethylpropoxy, 1,1-dimethylpropoxy, 1,2-dimethylpropoxy, n-hexyloxy, 1-methylpentoxy, 2-methylpentoxy, 3-methylpentoxy, 4-methylpentoxy, 1,1-dimethylbutoxy, 1,2-dimethylbutoxy, 1,3-dimethylbutoxy, 2,2-dimethylbutoxy, 2,3-dimethylbutoxy, 3,3-dimethylbutoxy, 1-ethylbutoxy, 2-ethylbutoxy, 1,1,2-trimethylpropoxy, 1,2,2-trimethylpropoxy, 1-ethyl-1-methylpropoxy and 1-ethyl-2-methylpropoxy.

The term "C_1-C_6-haloalkoxy" as used herein refers to a C_1-C_6-alkoxy group as defined above in which one or more hydrogen atoms are replaced with one or more halogen atoms that may be the same or different. Examples of C_1-C_6-haloalkoxy include but are not limited to chloromethoxy, bromomethoxy, dichloromethoxy, trichloromethoxy, fluoromethoxy, difluoromethoxy, trifluoromethoxy, chlorofluoro-methoxy, dichlorofluoromethoxy, chlorodifluoromethoxy, 1-chloroethoxy, 1-bromoethoxy, 1-fluoroethoxy, 2-fluoroethoxy, 2,2-difluoroethoxy, 2,2,2-trifluoroethoxy, 2-chloro-2-fluoroethoxy, 2-chloro-2,2-difluoroethoxy, 2,2-dichloro-2-fluoroethoxy, 2,2,2-trichloroethoxy, pentafluoroethoxy and 1,1,1-trifluoro-prop-2-oxy.

The term "C_1-C_6-haloalkoxy" as used herein refers to a C_1-C_6-alkoxy group as defined above in which one or more hydrogen atoms are replaced with one or more halogen atoms that may be the same or different.

The term "C_1-C_6-hydroxyalkyl" as used herein refers to a C_1-C_6-alkyl group as defined above in which at least one hydrogen atom is replaced with a hydroxyl group. Examples of C_1-C_6-hydroxyalkyl include but are not limited to hydroxymethyl, 1-hydroxyethyl, 2-hydroxyethyl, 1,2-dihydroxyethyl, 3-hydroxypropyl, 2-hydroxypropyl, 1-hydroxypropyl, 1-hydroxypropan-2-yl, 2-hydroxypropan-2-yl, 2,3-dihydroxy-propyl and 1,3-dihydroxypropan-2-yl.

The term "C_1-C_6-alkylsulfanyl" as used herein refers to a saturated, linear or branched group of formula (C_1-C_6-alkyl)-S—, in which the term "C_1-C_6-alkyl" is as defined herein. Examples of C_1-C_6-alkylsulfanyl include but are not limited to methylsulfanyl, ethylsulfanyl, propylsulfanyl, isopropyl-sulfanyl, butylsulfanyl, sec-butylsulfanyl, isobutylsulfanyl, tert-butylsulfanyl, pentylsulfanyl, isopentyl-sulfanyl, hexylsulfanyl group.

The term "C_1-C_6-haloalkylsulfanyl" as used herein refers to a C_1-C_6-alkylsulfanyl as defined above in which one or more hydrogen atoms are replaced with one or more halogen atoms that may be the same or different.

The term "C_1-C_6-alkylsulfinyl" as used herein refers to a saturated, linear or branched group of formula (C_1-C_6-alkyl)-S(═O)—, in which the term "C_1-C_6-alkyl" is as defined herein. Examples of C_1-C_6-alkylsulfinyl include but are not limited to saturated, straight-chain or branched alkylsulfinyl radicals having 1 to 8, preferably 1 to 6 and more preferably 1 to 4 carbon atoms, for example (but not limited to) C_1-C_6-alkylsulfinyl such as methylsulfinyl, ethylsulfinyl, propylsulfinyl, 1-methylethylsulfinyl, butyl-sulfinyl, 1-methylpropylsulfinyl, 2-methylpropylsulfinyl, 1,1-dimethylethylsulfinyl, pentylsulfinyl, 1-methylbutylsulfinyl, 2-methylbutylsulfinyl, 3-methylbutylsulfinyl, 2,2-dimethylpropylsulfinyl, 1-ethyl-propylsulfinyl, 1,1-dimethylpropylsulfinyl, 1,2-dimethylpropylsulfinyl, hexylsulfinyl, 1-methylpentylsulfinyl, 2-methylpentylsulfinyl, 3-methylpentylsulfinyl, 4-methylpentylsulfinyl, 1,1-dimethylbutylsulfinyl, 1,2-dimethylbutylsulfinyl, 1,3-dimethylbutylsulfinyl, 2,2-dimethylbutylsulfinyl, 2,3-dimethylbutylsulfinyl, 3,3-dimethylbutylsulfinyl, 1-ethylbutylsulfinyl, 2-ethylbutylsulfinyl, 1,1,2-trimethylpropylsulfinyl, 1,2,2-trimethylpropylsulfinyl, 1-ethyl-1-methylpropylsulfinyl and 1-ethyl-2-methylpropylsulfinyl.

The term "C_1-C_6-haloalkylsulfinyl" as used herein refers to a C_1-C_6-alkylsulfinyl as defined above in which one or more hydrogen atoms are replaced with one or more halogen atoms that may be the same or different.

The term "C_1-C^6-alkylsulfonyl" as used herein refers to a saturated, linear or branched group of formula (C_1-C^6-alkyl)—S(═O)$_2$—, in which the term "C_1-C_6-alkyl" is as defined herein. Examples of C_1-C^6-alkylsulfonyl include but are not limited to methylsulfonyl, ethylsulfonyl, propylsulfonyl, 1-methylethylsulfonyl, butylsulfonyl, 1-methylpropylsulfonyl, 2-methylpropylsulfonyl, 1,1-dimethylethylsulfonyl, pentylsulfonyl, 1-methylbutylsulfonyl, 2-methylbutylsulfonyl, 3-methylbutylsulfonyl, 2,2-dimethylpropylsulfonyl, 1-ethylpropylsulfonyl, 1,1-dimethylpropylsulfonyl, 1,2-dimethylpropylsulfonyl, hexylsulfonyl, 1-methylpentylsulfonyl, 2-methylpentylsulfonyl, 3-methylpentylsulfonyl, 4-methylpentylsulfonyl, 1,1-dimethyl-butylsulfonyl, 1,2-dimethylbutylsulfonyl, 1,3-dimethylbutylsulfonyl, 2,2-dimethylbutylsulfonyl, 2,3-dimethylbutylsulfonyl, 3,3-dimethylbutylsulfonyl, 1-ethylbutylsulfonyl, 2-ethylbutyl-sulfonyl, 1,1,2-trimethylpropylsulfonyl, 1,2,2-trimethylpropylsulfonyl, 1-ethyl-1-methyl-propylsulfonyl and 1-ethyl-2-methylpropylsulfonyl.

The term "C_1-C_6-haloalkylsulfonyl" as used herein refers to a C_1-C_6-alkylsulfonyl as defined above in which one or more hydrogen atoms are replaced with one or more halogen atoms that may be the same or different.

The term "C_1-C_6-alkylcarbonyl" as used herein refers to a saturated, linear or branched group of formula (C_1-C_6-alkyl)-C(═O)—, in which the term "C_1-C_6-alkyl" is as defined herein.

The term "C_1-C_6-haloalkylcarbonyl" as used herein refers to a C_1-C_6-alkylcarbonyl as defined above in which one or more hydrogen atoms are replaced with one or more halogen atoms that may be the same or different.

The term "C_1-C_6-alkoxycarbonyl" as used herein refers to a saturated, linear or branched group of formula (C_1-C_6-alkoxy)-C(=O)—, in which the term "C_1-C_6-alkoxy" is as defined herein.

The term "C_1-C_6-haloalkoxycarbonyl" as used herein refers to a C_1-C_6-alkoxycarbonyl as defined above in which one or more hydrogen atoms are replaced with one or more halogen atoms that may be the same or different.

The term "C_1-C_6-dialkylamino" as used herein refers to an amino radical having two independently selected C_1-C_6-alkyl groups as defined herein. Examples of C_1-C_6-dialkylamino include but are not limited to N,N-dimethylamino, N,N-diethylamino, N,N-diisopropylamino, N-ethyl-N-methylamino, N-methyl-N-n-propylamino, N-isopropyl-N-n-propylamino and N-tert-butyl-N-methylamino.

The term "non-aromatic C_3-C_{12}-carbocycle" as used herein refers to a non-aromatic, saturated or unsaturated, hydrocarbon ring system in which all of the ring members, which vary from 3 to 12, are carbon atoms. The ring system may be monocyclic or polycyclic (fused, spiro or bridged). Non-aromatic C_3-C_{12}-carbocycles include but are not limited to C_3-C_{12}-cycloalkyl (mono or bicyclic), C_3-C_{12}-cycloalkenyl (mono or bicyclic), bicylic system comprising an aryl (e.g. phenyl) fused to a monocyclic C_3-C_8-cycloalkyl (e.g. tetrahydronaphthalenyl, indanyl), bicylic system comprising an aryl (e.g. phenyl) fused to a monocyclic C_3-C_8-cycloalkenyl (e.g. indenyl, dihydronaphthalenyl) and tricyclic system comprising a cyclopropyl connected through one carbon atom to a bicylic system comprising an aryl (e.g. phenyl) fused to a monocyclic C_3-C_8-cycloalkyl or to a monocyclic C_3-C_8-cycloalkenyl. The non-aromatic C_3-C_{12}-carbocycle can be attached to the parent molecular moiety through any carbon atom.

The term "C_3-C_{12}-cycloalkyl" as used herein refers to a saturated, monovalent, mono- or bicylic hydrocarbon ring which contains 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12 carbon atoms. Examples of monocyclic C_3-C_8-cycloalkyls include but are not limited to cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, cyclo-heptyl, or cyclooctyl. Examples of bicyclic C_6-C_{12}-cycloalkyls include but are not limited to bicyclo[3.1.1]heptane, bicyclo[2.2.1]heptane, bicyclo[2.2.2]octane, bicyclo[3.2.2]nonane, bicyclo[3.3.1]nonane, bicyclo[4.2.0]octyl, octahydropentalenyl and bicyclo[4.2.1]nonane.

The term "C_3-C_{12}-cycloalkenyl" as used herein refers to an unsaturated, monovalent, mono- or bicylic hydrocarbon ring which contains 3, 4, 5, 6, 7, 8, 9, 10, 11 or 12 carbon atoms. Examples of monocyclic C_3-C_8-cycloalkenyl group include but are not limited to cyclobutenyl, cyclopentenyl, cyclohexenyl, cycloheptenyl and cyclooctenyl group. Examples of bicyclic C_6-C_{12}-cycloalkenyl group include but are not limited to bicyclo[2.2.1]hept-2-enyl or bicyclo[2.2.2]oct-2-enyl.

The term "aromatic C_6-C_{14}-carbocycle" or "aryl" as used herein refers to an aromatic hydrocarbon ring system in which all of the ring members, which vary from 6 to 14, preferably from 6 to 10, are carbon atoms. The ring system may be monocyclic or fused polycyclic (e.g. bicyclic or tricyclic). Examples of aryl include but are not limited to phenyl, azulenyl and naphthyl. The aryl can be attached to the parent molecular moiety through any carbon atom. It is further understood that when said aryl group is substituted with one or more substituents, said substituent(s) may be at any positions on said aryl ring(s). Particularly, in the case of aryl being a phenyl group, said substituent(s) may occupy one or both ortho positions, one or both meta positions, or the para position, or any combination of these positions.

The term "non-aromatic 3- to 14-membered heterocycle" as used herein refers to a saturated or unsaturated non-aromatic ring system comprising 1 to 4 heteroatoms independently selected from the group consisting of oxygen, nitrogen and sulfur. If the ring system contains more than one oxygen atoms, they are not directly adjacent. Non aromatic heterocycles include but are not limited to 3- to 7-membered monocyclic non-aromatic heterocycles and 6- to 14-membered polycyclic (e.g. bicyclic or tricyclic) non-aromatic heterocycles. The non-aromatic 3- to 14-membered heterocycle can be connected to the parent molecular moiety through any carbon atom or nitrogen atom contained within the heterocycle.

The term "non-aromatic 3- to 7-membered monocyclic heterocycle" as used herein refers to a 3-, 4-, 5-, 6- or 7-membered monocyclic ring system containing 1, 2 or 3 heteroatoms independently selected from the group consisting of oxygen, nitrogen and sulfur where the ring system is saturated or unsaturated but not aromatic. For instance, the heterocycle may comprise one to three nitrogen atoms, or one or two oxygen atoms, or one or two sulfur atoms, or one to three nitrogen atoms and one oxygen atom, or one to three nitrogen atoms and a sulfur atom or one sulfur atom and one oxygen atom. Examples of saturated non-aromatic heterocycles include but are not limited to 3-membered ring such as oxiranyl, aziridinyl, 4-membered ring such as azetidinyl, oxetanyl, thietanyl, 5-membered ring such as tetrahydrofuranyl, 1,3-dioxolanyl, tetrahydrothienyl, pyrrolidinyl, pyrazolidinyl, imidazolidinyl, triazolidinyl, isoxazolidinyl, oxazolidinyl, oxadiazolidinyl, thiazolidinyl, isothiazolidinyl, thiadiazolidinyl, 6-membered ring such as piperidinyl, hexahydropyridazinyl, hexahydropyrimidinyl, piperazinyl, triazinanyl, hexahydrotriazinyl, tetrahydropyranyl, dioxanyl, tetrahydrothiopyranyl, dithianyl, morpholinyl, 1,2-oxazinanyl, oxathianyl, thiomorpholinyl or 7-membered ring such as oxepanyl, azepanyl, 1,4-diazepanyl and 1,4-oxazepanyl. Examples of unsaturated non-aromatic heterocycles include but are not limited to 5-membered ring such as dihydrofuranyl, 1,3-dioxolyl, dihydrothienyl, pyrrolinyl, dihydroimidazolyl, dihydropyrazolyl, isoxazolinyl, dihydrooxazolyl, dihydrothiazolyl or 6-membered ring such as pyranyl, thiopyranyl, thiazinyl and thiadiazinyl.

The term "non-aromatic 6- to 14-membered polycyclic heterocycle" as used herein refers to a 6-, 7-, 8-, 9-, 10-, 11-, 12-, 13- or 14-membered polycyclic (e.g. bicyclic or tricyclic) ring system containing 1, 2 or 3 heteroatoms independently selected from the group consisting of oxygen, nitrogen and sulfur where the ring system is saturated or unsaturated but not aromatic. Non-aromatic bicyclic heterocycles may consist of a monocyclic heteroaryl as defined herein fused to a monocyclic C_3-C_8-cycloalkyl, a monocyclic C_3-C_8-cycloalkenyl or a monocyclic non-aromatic heterocycle or may consist of a monocyclic non-aromatic heterocycle fused either to an aryl (e.g. phenyl), a monocyclic C_3-C_8-cycloalkyl, a monocyclic C_3-C_8-cycloalkenyl or a monocyclic non-aromatic heterocycle. When two monocyclic heterocycles (aromatic or non-aromatic) comprising nitrogen atoms are fused, nitrogen atom may be at the bridgehead (e.g. 4,5,6,7-tetrahydropyrazolo[1,5-a]pyridinyl, 5,6,7,8-tetrahydro-[1,2,4]triazolo[1,5-a]pyridinyl, 5,6,7,8-tetrahydroimidazo[1,2-a]pyridinyl). Non-aromatic tricyclic heterocycles may consist of a monocyclic cycloalkyl connected through one common atom to a non-aromatic bicyclic heterocycle.

The term "aromatic 5- to 14-membered heterocycle" or "heteroaryl" as used herein refers to an aromatic ring system comprising 1 to 4 heteroatoms independently selected from

the group consisting of oxygen, nitrogen and sulfur. If the ring system contains more than one oxygen atom, they are not directly adjacent. Aromatic heterocycles include aromatic 5- or 6-membered monocyclic heterocycles and 6- to 14-membered polycyclic (e.g. bicyclic or tricyclic) aromatic heterocycles. The 5- to 14-membered aromatic heterocycle can be connected to the parent molecular moiety through any carbon atom or nitrogen atom contained within the heterocycle.

The term "aromatic 5- or 6-membered monocyclic heterocycle" or "monocyclic heteroaryl" as used herein refers to a 5- or 6-membered monocyclic ring system containing 1, 2, 3 or 4 heteroatoms independently selected from the group consisting of oxygen, nitrogen and sulfur. Examples of 5-membered monocyclic heteroaryl include but are not limited to furyl (furanyl), thienyl, pyrrolyl, pyrazolyl, imidazolyl, triazolyl, tetrazolyl, isoxazolyl, oxazolyl, oxadiazolyl, oxatriazolyl, isothiazolyl, thiazolyl, thiadiazolyl and thiatriazolyl. Examples of 6-membered monocyclic heteroaryl include but are not limited to pyridinyl, pyridazinyl, pyrimidinyl, pyrazinyl, triazinyl, tetrazinyl.

The term "6- to 14-membered polycyclic aromatic heterocycle" or "polycyclic heteroaryl" as used herein refers to a 6-, 7-, 8-, 9-, 10-, 11-, 12-, 13- or 14-membered polycyclic (e.g. bicyclic or tricyclic) ring system containing 1, 2 or 3 heteroatoms independently selected from the group consisting of oxygen, nitrogen and sulfur. Aromatic bicyclic heterocycles may consist of a monocyclic heteroaryl as defined herein fused to an aryl (e.g. phenyl) or to a monocyclic heteroaryl. Examples of bicyclic aromatic heterocycle include but are not limited to 9-membered ring such as indolyl, indolizinyl, isoindolyl, benzimadozolyl, imidazopyridinyl, indazolyl, benzotriazolyl, purinyl, benzofuranyl, benzothiophenyl, benzothiazolyl, benzoxazolyl and benzisoxazolyl or 10-membered ring such as quinolinyl, isoquinolinyl, cinnolinyl, quinazolinyl, quinoxalinyl, phthalazinyl, naphthyridinyl, pteridinal and benzodioxinyl. In 9- or 10-membered aromatic bicyclic heterocycles comprising two fused 5- or 6-membered monocyclic aromatic heterocycles, nitrogen atom may be at the bridgehead (e.g. imidazo[1,2-a]pyridinyl, [1,2,4]triazolo[4,3-a]pyridinyl, imidazo[1,2-a]pyridinyl, imidazo[2,1-b]oxazolyl, furo[2,3-d]isoxazolyl). Examples of tricyclic aromatic heterocyle include but are not limited to carbazolyl, acridinyl and phenazinyl.

The terms "non-aromatic C_3-C_{12}-carbocyclyloxy", "C_3-C_8-cycloalkyloxy", "aromatic C_6-C_{14}-carbocyclyloxy", "aromatic 5- to 14-membered heterocyclyloxy", "non-aromatic 3- to 14-membered heterocyclyloxy" as used herein designate a group of formula —O—R wherein R is respectively a non-aromatic C_3-C_{12}-carbocyclyl, a C_3-C_8-cycloalkyl, an aromatic C_6-C_{14}-carbocyclyl, an aromatic 5- to 14-membered heterocyclyl or a non-aromatic 3- to 14-membered heterocyclyl group as defined herein.

As used herein, when a group is said to be "substituted", the group may be substituted with one or more substituents. The expression "one or more substituents" refers to a number of substituents that ranges from one to the maximum number of substituents possible based on the number of available bonding sites, provided that the conditions of stability and chemical feasibility are met.

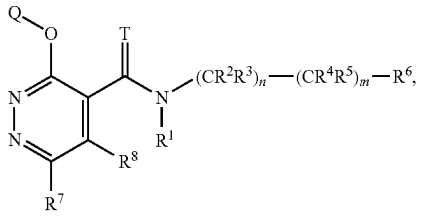
The term "leaving group" as used herein is to be understood as meaning a group which is displaced from a compound in a substitution or an elimination reaction, for example a halogen atom, a trifluoromethanesulphonate ("triflate") group, alkoxy, methanesulphonate, p-toluenesulphonate, etc.

The terms "as described herein" when referring to a variable Q, T, R1, R2, R3, R4, R5, R6, R7, R8, n and incorporates by reference the broad definition of the variable as well as preferred, more preferred and even more preferred definitions, if any.

DETAILED DESCRIPTION

Compounds of Formula (I)

The present invention relates to compounds of the formula (I):



(I)

wherein

T is O or S;

n is 0 or 1;

m is 0 or 1;

provided m is 1 when n is 1;

R^1 is selected from the group consisting of hydrogen, hydroxyl, cyano, C_1-C_6-alkyl, C_1-C_6-alkoxy, C_1-C_6-alkoxy-C_1-C_6-alkyl, —C(=O)R^{a1}, —C(=O)(OR^{a1}), —S(=O)R^{a1}, —S(=O)$_2R^{a1}$, —C(=O)N(R^{a2})$_2$ and S(=O)$_2$N(R^{a2})$_2$ with R^{a1} being selected from the group consisting of C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_3-C_8-cycloalkyl, and C_2-C_6-alkenyl and R^{a2} being selected from the group consisting of hydrogen, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_3-C_8-cycloalkyl and C_2-C_6-alkenyl;

R^2 and R^3 are independently selected from the group consisting of hydrogen, halogen, cyano, hydroxyl, carboxyl, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_1-C_6-alkoxycarbonyl and C_3-C_8-cycloalkyl, or R^2 and R^3 form, together with the carbon atom to which they are attached to, a C_3-C_8-cycloalkyl or a non-aromatic 3- to 7-membered monocyclic heterocycle;

R^4 and R^5 are independently selected from the group consisting of hydrogen, halogen, cyano, hydroxyl, carboxyl, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_1-C_6-alkoxycarbonyl and C_3-C_8-cycloalkyl, or R^4 and R^5 form, together with the carbon atom to which they are attached to, a C_3-C_8-cycloalkyl or a non-aromatic 3- to 7-membered monocyclic heterocycle; or

R^2 and R^4 form, together with the carbon atom to which they are attached to, a C_3-C_8-cycloalkyl or a non-aromatic 3- to 7-membered monocyclic heterocycle, and R^3 and R^5 are independently hydrogen or halogen; or

R^2 and R^4 form together a covalent bond and R^3 and R^5 are independently hydrogen or C_1-C_6-alkyl;

R^6 is selected from the group consisting of non-aromatic C_3-C_{12}-carbocycle, aromatic C_6-C_{14}-carbocycle, non-aromatic 3- to 14-membered heterocycle, aromatic 5- to 14-membered heterocycle, non-aromatic C_3-C_{12}-carbocyclyloxy, aromatic C_6-C_{14}-carbocyclyloxy, aromatic 5- to 14-membered heterocyclyloxy, non-aromatic 3- to 14-membered heterocyclyloxy, C_1-C_3-

alkoxy substituted by a non-aromatic C_3-C_{12}-carbocycle, C_1-C_3-alkoxy substituted by an aromatic C_6-C_{14}-carbocycle, C_1-C_3-alkoxy substituted by a non-aromatic 3- to 14-membered heterocycle, C_1-C_3-alkoxy substituted by an aromatic 5- to 14-membered heterocycle, C_1-C_3-haloalkoxy substituted by a non-aromatic C_3-C_{12}-carbocycle, C_1-C_3-haloalkoxy substituted by an aromatic C_6-C_{14}-carbocycle, C_1-C_3-haloalkoxy substituted by a non-aromatic 3- to 14-membered heterocycle and C_1-C_3-haloalkoxy substituted by an aromatic 5- to 14-membered heterocycle, wherein cyclic, or cyclic moiety of, R^6 substituents may be substituted with one or more R^{6S} substituents that may be the same or different,

R^{6S} is selected from the group consisting of halogen, cyano, isocyano, nitro, hydroxyl, mercapto, pentafluorosulfanyl, oxo, methylidene, halomethylidene, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_2-C_6-alkenyl, C_2-C_6-haloalkenyl, C_2-C_6-alkynyl, C_2-C_6-haloalkynyl, C_2-C_6-alkenyloxy, C_2-C_6-haloalkenyloxy, C_1-C_6-alkylsulfanyl, C_1-C_6-haloalkylsulfanyl, C_3-C_8-cycloalkylsulfanyl, C_1-C_6-alkylsulfinyl, C_1-C_6-haloalkylsulfinyl, C_3-C_8-cycloalkylsulfinyl, C_1-C_6-alkylsulfonyl, C_1-C_6-haloalkylsulfonyl, C_3-C_8-cycloalkylsulfonyl, C_3-C_8-cycloalkyl, C_3-C_8-cycloalkyloxy, C_3-C_8-cycloalkenyl, aromatic C_6-C_{14}-carbocycle, aromatic 5- or 6-membered monocyclic heterocycle, non-aromatic 3- to 7-membered monocyclic heterocycle, —$N(R^c)_2$, —$C(=O)R^d$, —$C(=O)(OR^d)$, —$C(=O)N(R^d)_2$, —$S(=O)_2N(R^d)_2$, —O—$Si(C_1$-C_6-alkyl$)_3$ and —$Si(C_1$-C_6-alkyl$)_3$, or two Res substituents may form, together with the carbon atom to which they are attached to, a C_3-C_8-cycloalkyl,

with R^c being independently selected from the group consisting of hydrogen, C_1-C_6-alkyl and C_3-C_8-cycloalkyl,

with R^d being independently selected from the group consisting of hydrogen, C_1-C_6-alkyl and C_1-C_6-haloalkyl,

wherein aliphatic R^{6S}, R^c and R^d substituents may be substituted with one or more substituents independently selected from the group consisting of cyano, hydroxyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, —O—$Si(C_1$-C_6-alkyl$)_3$, —$Si(C_1$-C_6-alkyl$)_3$, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl and non-aromatic 3- to 7-membered monocyclic heterocycle,

wherein cyclic or cyclic moiety of R^{6S} and cyclic R^c substituents may be substituted with one or more substituents independently selected from the group consisting of halogen, cyano, nitro, hydroxyl, formyl, carboxyl, oxo, methylidene, halomethylidene, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_1-C_6-alkoxycarbonyl, C_1-C_6-haloalkoxycarbonyl, C_2-C_6-alkenyl, C_3-C_8-cycloalkyl and C_3-C_8-halocycloalkyl, and/or cyclic or cyclic moiety of R^{6S} substituents may be substituted with two substituents forming, together with the carbon atom to which they are attached to, a C_3-C_8-cycloalkyl;

R^7 is selected from the group consisting of hydrogen, halogen, cyano, isocyano, hydroxyl, mercapto, nitro, amino, formyl, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-hydroxyalkyl, C_1-C_6-alkylcarbonyl, C_1-C_6-haloalkylcarbonyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_2-C_6-alkenyl, C_2-C_6-haloalkenyl, C_2-C_6-alkynyl, C_2-C_6-haloalkynyl, C_2-C_6-alkenyloxy, C_2-C_6-haloalkenyloxy, C_2-C_6-alkynyloxy, C_2-C_6-haloalkynyloxy, C_1-C_6-alkylsulfanyl, C_1-C_6-haloalkylsulfanyl, C_3-C_8-cycloalkylsulfanyl, C_1-C_6-alkylsulfinyl, C_1-C_6-haloalkylsulfinyl, C_3-C_8-cycloalkylsulfinyl, C_1-C_6-alkylsulfonyl, C_1-C_6-haloalkylsulfonyl, C_3-C_8-cycloalkylsulfonyl, C_3-C_8-cycloalkyl, C_3-C_6-cycloalkenyl, aromatic C_6-C_{14}-carbocycle, aromatic 5- or 6-membered monocyclic heterocycle, non-aromatic 3- to 7-membered monocyclic heterocycle, C_3-C_8-cycloalkyloxy, aromatic C_6-C_{14}-carbocyclyloxy, aromatic 5- or 6-membered monocyclic heterocyclyloxy, non-aromatic 3- to 7-membered monocyclic heterocyclyloxy, —O—$Si(C_1$-C_6-alkyl$)_3$, —$Si(C_1$-C_6-alkyl$)_3$, —$N(R^e)_2$, —$C(=NR^f)R^g$, —$NR^gC(=O)R^g$, —$C(=O)(OR^g)$, —$C(=O)N(R^g)_2$, —$S(=O)_2N(R^g)_2$ and —$S(=O)(=NR^g)R^g$,

with R^e being independently selected from the group consisting of hydrogen, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_2-C_6-alkenyl, C_2-C_6-haloalkenyl, C_2-C_6-alkynyl, C_2-C_6-haloalkynyl, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, aromatic C_6-C_{14}-carbocycle, aromatic 5- or 6-membered monocyclic heterocycle and non-aromatic 3- to 7-membered monocyclic heterocycle,

with R^f being independently selected from the group consisting of hydroxyl, amino, cyano, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_1-C_6-alkylamino and di(C_1-C_6-alkyl)amino, with R^g being independently selected from the group consisting of hydrogen, C_1-C_6-alkyl, C_1-C_6-haloalkyl and C_3-C_8-cycloalkyl,

wherein aliphatic R^7, R^e, R^f and R^g substituents may be substituted with one or more R^{7Sa} substituents that may be the same or different,

wherein cyclic or cyclic moiety of R^7, cyclic R^e and cyclic R^g substituents may be substituted with one or more R^{7Sc} substituents that may be the same or different,

R^{7Sa} is selected from the group consisting of cyano, hydroxyl, carboxyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, C_1-C_6-alkoxycarbonyl, —O—$Si(C_1$-C_6-alkyl$)_3$, —$Si(C_1$-C_6-alkyl$)_3$, aromatic C_6-C_{14}-carbocycle and non-aromatic 3- to 7-membered monocyclic heterocycle,

R^{7Sc} is selected from the group consisting of halogen, cyano, nitro, hydroxyl, formyl, oxo, methylidene, halomethylidene, C_1-C_6-alkyl, C_1-C_6-haloalkyl C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_2-C_6-alkenyl, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, —O—$Si(C_1$-C_6-alkyl$)_3$ and non-aromatic 3- to 7-membered monocyclic heterocycle, or two R^{7Sc} substituents form, together with the carbon atom to which they are attached to, a C_3-C_8-cycloalkyl;

R^8 is selected from the group consisting of hydrogen, halogen, cyano, isocyano, amino, nitro, hydroxyl, mercapto, carboxyl, C_1-C_6-alkoxycarbonyl, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-hydroxyalkyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_2-C_6-alkenyl, C_2-C_6-haloalkenyl, C_2-C_6-alkynyl, C_2-C_6-haloalkynyl, C_2-C_6-alkenyloxy, C_2-C_6-haloalkenyloxy, C_2-C_6-alkynyloxy, C_2-C_6-haloalkynyloxy, C_1-C_6-alkylsulfanyl, C_1-C_6-haloalkylsulfanyl, C_1-C_6-alkylsulfinyl, C_1-C_6-haloalkylsulfinyl, C_1-C_6-alkylsulfonyl, C_1-C_6-haloalkylsulfonyl, C_3-C_8-cycloalkyl, C_3-C_6-cycloalkenyl, aromatic C_6-C_{14}-carbocycle, non-aromatic 3- to 14-membered heterocycle, aromatic 5- to 14-membered heterocycle, C_3-C_8-cycloalkyloxy, aromatic C_6-C_{14}-carbocyclyloxy, non-aromatic 3- to 14-membered heterocyclyloxy,

loxy, aromatic 5- to 14-membered heterocyclyloxy, —O—Si(C_1-C_6-alkyl)$_3$, —Si(C_1-C_6-alkyl)$_3$, —N(R^h)$_2$, —SR^i, —S(=O)R^i and —S(=O)$_2R^i$,

with R^h being independently selected from the group consisting of hydrogen, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_2-C_6-alkenyl, C_2-C_6-haloalkenyl, C_2-C_6-alkynyl, C_2-C_6-haloalkynyl, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, aromatic C_6-C_{14}-carbocycle, aromatic 5- to 14-membered heterocycle and non-aromatic 3- to 7-membered monocyclic heterocycle,

with R^i being selected from the group consisting of C_2-C_6-alkenyl, C_2-C_6-haloalkenyl, C_2-C_6-alkynyl, C_2-C_6-haloalkynyl, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, aromatic C_6-C_{14}-carbocycle, aromatic 5- to 14-membered heterocycle and non-aromatic 3- to 7-membered monocyclic heterocycle, wherein aliphatic R^8, R^h and R^i substituents may be substituted with one or more R^{8Sa} substituents that may be the same or different,

wherein cyclic or cyclic moiety of R^8, cyclic R^h and cyclic R^i substituents may be substituted with one or more R^{8Sc} substituents that may be the same or different,

R^{8Sa} is selected from the group consisting of cyano, amino, nitro, hydroxyl, formyl, carboxyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_1-C_6-alkoxy-C_1-C_6-alkoxy, C_1-C_6-alkoxycarbonyl, C_1-C_6-haloalkoxycarbonyl, C_1-C_6-alkylcarbonyl, C_1-C_6-haloalkylcarbonyl, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, C_1-C_6-alkylsulfanyl, C_1-C_6-haloalkylsulfanyl, C_1-C_6-alkylsulfinyl, C_1-C_6-haloalkylsulfinyl, C_1-C_6-alkylsulfonyl, C_1-C_6-haloalkylsulfonyl, —O—Si(C_1-C_6-alkyl)$_3$, —Si(C_1-C_6-alkyl)$_3$, non-aromatic 3- to 7-membered monocyclic heterocycle and —N($R^{a'}$)$_2$ with $R^{a'}$ being independently selected from the group consisting of hydrogen, formyl, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_3-C_8-cycloalkyl and C_1-C_6-alkylcarbonyl, wherein said non-aromatic 3- to 7-membered monocyclic heterocycle R^{8Sa} may be substituted with one or more C_1-C_6-alkyl substituents that may be the same or different,

R^{8Sc} is selected from the group consisting of halogen, cyano, amino, nitro, hydroxyl, formyl, carboxyl, oxo, methylidene, halomethylidene, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_1-C_6-alkoxycarbonyl, C_1-C_6-haloalkoxycarbonyl, C_2-C_6-alkenyl, C_1-C_6-alkylsulfanyl, C_1-C_6-alkylsulfinyl, C_1-C_6-alkylsulfonyl, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, —O—Si(C_1-C_6-alkyl)$_3$ and non-aromatic 3- to 7-membered monocyclic heterocycle that may be substituted with one or more C_1-C_6-alkyl substituents that may be the same or different, or two R^{8Sc} substituents form, together with the carbon atom to which they are attached to, a C_3-C_8-cycloalkyl or a non-aromatic 3- to 7-membered monocyclic heterocycle, wherein said non-aromatic 3- to 7-membered monocyclic heterocycle may be substituted with one or more C_1-C_6-alkyl substituents that may be the same or different,

Q is selected from the group consisting of aromatic C_6-C_{14}-carbocycle, non-aromatic C_3-C_{12}-carbocycle, non-aromatic 3- to 14-membered heterocycle and aromatic 5- to 14-membered heterocycle, wherein any of said carbocycle or heterocycle groups may be substituted with one or more Q^S substituents that may be the same or different,

Q^S is selected from the group consisting of halogen, cyano, isocyano, nitro, hydroxyl, mercapto, formyl, carboxyl, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkylcarbonyl, C_1-C_6-haloalkylcarbonyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_1-C_6-alkoxy-C_1-C_6-alkyl, C_1-C_6-alkoxycarbonyl, C_1-C_6-haloalkoxycarbonyl, C_2-C_6-alkenyl, C_2-C_6-haloalkenyl, C_2-C_6-alkynyl, C_2-C_6-haloalkynyl, C_2-C_6-alkenyloxy, C_2-C_6-haloalkenyloxy, C_1-C_6-alkylsulfanyl, C_1-C_6-haloalkylsulfanyl, C_1-C_6-alkylsulfinyl, C_1-C_6-haloalkylsulfinyl, C_1-C_6-alkylsulfonyl, C_1-C_6-haloalkylsulfonyl, C_3-C_8-cycloalkyl, C_3-C_8-cycloalkyloxy, C_3-C_6-cycloalkenyl, non-aromatic 3- to 7-membered monocyclic heterocycle, aromatic 5- to 14-membered heterocycle, —O—Si(C_1-C_6-alkyl)$_3$, —Si(C_1-C_6-alkyl)$_3$, —O—C(=O)R^j, —NR^jC(=O)R^j, —C(=O)N(R^j)$_2$, —C(=S)R^j, —C(=S)N(R^j)$_2$, —C(=NR^j)R^j and —C(=NOR^j)R^j and —N(R^k)$_2$

with R^j being independently selected from the group consisting of hydrogen, C_1-C_6-alkyl, C_1-C_6-haloalkyl and C_1-C_6-alkoxy,

with R^k being independently selected from the group consisting of hydrogen, hydroxyl, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_2-C_6-alkenyl, C_2-C_6-haloalkenyl and C_3-C_8-cycloalkyl,

wherein aliphatic Q^S, R^j and R^k substituents may be substituted with one or more substituents independently selected from the group consisting of cyano, amino, nitro, hydroxyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_1-C_6-alkoxycarbonyl, C_1-C_6-haloalkoxycarbonyl, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, —Si(C_1-C_6-alkyl)$_3$ and non-aromatic 3- to 7-membered monocyclic heterocycle,

wherein cyclic or cyclic moiety of Q^S and cyclic R^k substituents may be substituted with one or more R^{Qs} substituents independently selected from the group consisting of halogen, cyano, amino, nitro, hydroxyl, formyl, carboxyl, oxo, methylidene, halomethylidene, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_1-C_6-alkoxycarbonyl, C_1-C_6-haloalkoxycarbonyl, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, C_2-C_6-alkenyl and non-aromatic 3- to 7-membered monocyclic heterocycle, wherein cyclic R^{Qs} substituents may be substituted with two substituents forming, together with the carbon atom to which they are attached to, a C_3-C_8-cycloalkyl,

provided that compound of formula (I) is not:

(a) 3-(1H-benzotriazol-1-yloxy)-N-(4-tert-butylphenyl)-6-chloropyridazine-4-carboxamide ([561297-99-2]);

(b) 3-(cyclopentyloxy)-6-(4-fluorophenoxy)-N-{[(3R)-1-isopropylpiperidin-3-yl]methyl}pyridazine-4-carboxamide ([1336909-91-1]);

(c) 6-(4-fluorophenoxy)-N-{[(3R)-1-isopropylpiperidin-3-yl]methyl}-3-(tetrahydro-2H-pyran-4-yloxy) pyridazine-4-carboxamide ([1336909-90-0]);

(d) 6-chloro-N-{[(3R)-1-isopropylpiperidin-3-yl]methyl}-3-(tetrahydro-2H-pyran-4-yloxy)pyridazine-4-carboxamide ([1336910-48-5]);

(e) 6-chloro-3-(cyclopentyloxy)-N-{[(3R)-1-isopropylpiperidin-3-yl]methyl}pyridazine-4-carboxamide ([1336910-49-6]);

(f) 3-(1H-benzotriazol-1-yloxy)-6-chloro-N-(cyclohexylmethyl)pyridazine-4-carboxamide ([1202404-84-9)].

Compound (a) ([561297-99-2]) is disclosed in US2009/0143355 as an intermediate in the preparation of substituted arylamine derivatives useful in treating cancer.

Compounds (b) and (c) ([1336909-91-1] and [1336909-90-0] are disclosed in WO2011/117254 as potential modulators of Ghrelin receptor useful in treating diabetes and

obesity. Compounds (d) and (e) ([1336910-48-5] and [1336910-49-6]) are disclosed in WO2011/117254 as intermediates in the preparation of potential modulators of Ghrelin receptor.

Compound (f) is disclosed in US2011/0108767 as a component of a composition that may be used in the preparation of light-emitting devices.

The embodiment disclosed above is referred herein as "embodiment 1".

Not encompassed herein are compounds resulting from combinations which are against natural laws and which the person skilled in the art would therefore exclude based on his/her expert knowledge. For instance, ring structures having three or more adjacent oxygen atoms are excluded.

The compounds of formula (I) can suitably be in their free form, salt form, N-oxide form or solvate form (e.g. hydrate).

Depending on the nature of the substituents, the compound of formula (I) may be present in the form of different stereoisomers. These stereoisomers are, for example, enantiomers, diastereomers, atropisomers or geometric isomers. Accordingly, the invention encompasses both pure stereoisomers and any mixture of these isomers. Where a compound can be present in two or more tautomer forms in equilibrium, reference to the compound by means of one tautomeric description is to be considered to include all tautomer forms.

Any of the compounds of the present invention can also exist in one or more geometric isomer forms depending on the number of double bonds in the compound. Geometric isomers by nature of substituents about a double bond or a ring may be present in cis (=Z-) or trans (=E-) form. The invention thus relates equally to all geometric isomers and to all possible mixtures, in all proportions.

Depending on the nature of the substituents, the compound of formula (I) may be present in the form of the free compound and/or a salt thereof, such as an agrochemically active salt.

Agrochemically active salts include acid addition salts of inorganic and organic acids well as salts of customary bases. Examples of inorganic acids are hydrohalic acids, such as hydrogen fluoride, hydrogen chloride, hydrogen bromide and hydrogen iodide, sulfuric acid, phosphoric acid and nitric acid, and acidic salts, such as sodium bisulfate and potassium bisulfate. Useful organic acids include, for example, formic acid, carbonic acid and alkanoic acids such as acetic acid, trifluoroacetic acid, trichloroacetic acid and propionic acid, and also glycolic acid, thiocyanic acid, lactic acid, succinic acid, citric acid, benzoic acid, cinnamic acid, oxalic acid, saturated or mono- or diunsaturated fatty acids having 6 to 20 carbon atoms, alkylsulphuric monoesters, alkylsulphonic acids (sulphonic acids having straight-chain or branched alkyl radicals having 1 to 20 carbon atoms), arylsulphonic acids or aryldisulphonic acids (aromatic radicals, such as phenyl and naphthyl, which bear one or two sulphonic acid groups), alkylphosphonic acids (phosphonic acids having straight-chain or branched alkyl radicals having 1 to 20 carbon atoms), arylphosphonic acids or aryldiphosphonic acids (aromatic radicals, such as phenyl and naphthyl, which bear one or two phosphonic acid radicals), where the alkyl and aryl radicals may bear further substituents, for example p-toluenesulphonic acid, salicylic acid, p-aminosalicylic acid, 2-phenoxybenzoic acid, 2-acetoxybenzoic acid, etc.

Solvates of the compounds of the invention or their salts are stoichiometric compositions of the compounds with solvents.

The compounds of the invention may exist in multiple crystalline and/or amorphous forms. Crystalline forms include unsolvated crystalline forms, solvates and hydrates.

Aliphatic R^{6S} substituents as used herein in the expression "aliphatic R^{6S}, R^c and R^d substituents may be substituted with one or more substituents" designate C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_2-C_6-alkenyl, C_2-C_6-haloalkenyl, C_2-C_6-alkynyl, C_2-C_6-haloalkynyl, C_2-C_6-alkenyloxy, C_2-C_6-haloalkenyloxy, C_1-C_6-alkylsulfanyl, C_1-C_6-haloalkylsulfanyl, C_1-C_6-alkylsulfinyl, C_1-C_6-haloalkylsulfinyl, C_1-C_6-alkylsulfonyl, C_1-C_6-haloalkylsulfonyl and the C_1-C_6-alkyl moiety of —Si(C_1-C_6-alkyl)$_3$ and —O—Si(C_1-C_6-alkyl)$_3$.

Aliphatic R^c substituents as used herein in the expression "aliphatic R^{6S}, R^c and R^d substituents may be substituted with one or more substituents" designate C_1-C_6-alkyl.

Aliphatic R^d substituents as used herein in the expression "aliphatic R^{6S}, R^c and R^d substituents may be substituted with one or more substituents" designate C_1-C_6-alkyl and C_1-C_6-haloalkyl.

Aliphatic R^7 substituents as used herein in the expression "aliphatic R^7, R^e, R^f and R^g substituents may be substituted with one or more R^{7Sa} substituents" designate C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-hydroxyalkyl, C_1-C_6-alkylcarbonyl, C_1-C_6-haloalkylcarbonyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_1-C_6-alkoxycarbonyl, C_1-C_6-haloalkoxycarbonyl, C_2-C_6-alkenyl, C_2-C_6-haloalkenyl, C_2-C_6-alkynyl, C_2-C_6-haloalkynyl, C_2-C_6-alkenyloxy, C_2-C_6-haloalkenyloxy, C_2-C_6-alkynyloxy, C_2-C_6-haloalkynyloxy, C_1-C_6-alkylsulfanyl, C_1-C_6-haloalkylsulfanyl, C_1-C_6-alkylsulfinyl, C_1-C_6-haloalkylsulfinyl, C_1-C_6-alkylsulfonyl, C_1-C_6-haloalkylsulfonyl and the C_1-C_6-alkyl moiety of —Si(C_1-C_6-alkyl)$_3$ and —O—Si(C_1-C_6-alkyl)$_3$.

Aliphatic R^e substituents as used herein in the expression "aliphatic R^7, R^e, R^f and R^g substituents may be substituted with one or more R^{7Sa} substituents" designate C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_2-C_6-alkenyl, C_2-C_6-haloalkenyl, C_2-C_6-alkynyl and C_2-C_6-haloalkynyl.

Aliphatic R^f substituents as used herein in the expression "aliphatic R^7, R^e, R^f and R^g substituents may be substituted with one or more R^{7Sa} substituents" designate C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy and the C_1-C_6-alkyl moiety of C_1-C_6-alkylamino and di(C_1-C_6-alkyl)amino.

Aliphatic R^g substituents as used herein in the expression "aliphatic R^7, R^e, R^f and R^g substituents may be substituted with one or more R^{7Sa} substituents" designate C_1-C_6-alkyl and C_1-C_6-haloalkyl.

Aliphatic R^8 substituents as used herein in the expression "aliphatic R^8, R^h and R^i substituents may be substituted with one or more R^{8Sa} substituents" designate C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-hydroxyalkyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_2-C_6-alkenyl, C_2-C_6-haloalkenyl, C_2-C_6-alkynyl, C_2-C_6-haloalkynyl, C_2-C_6-alkenyloxy, C_2-C_6-haloalkenyloxy, C_2-C_6-alkynyloxy, C_2-C_6-haloalkynyloxy, C_1-C_6-alkylsulfanyl, C_1-C_6-haloalkylsulfanyl, C_1-C_6-alkylsulfinyl, C_1-C_6-haloalkylsulfinyl, C_1-C_6-alkylsulfonyl, C_1-C_6-haloalkylsulfonyl and the C_1-C_6-alkyl moiety of —Si(C_1-C_6-alkyl)$_3$ and —O—Si(C_1-C_6-alkyl)$_3$.

Aliphatic R^h substituents as used herein in the expression "aliphatic R^8, R^h and R^i substituents may be substituted with one or more R^{8Sa} substituents" designate C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_2-C_6-alkenyl, C_2-C_6-haloalkenyl, C_2-C_6-alkynyl and C_2-C_6-haloalkynyl.

Aliphatic R^i substituents as used herein in the expression "aliphatic R^8, R^h and R^i substituents may be substituted with one or more R^{8Sa} substituents" designate C_2-C_6-alkenyl, C_2-C_6-haloalkenyl, C_2-C_6-alkynyl and C_2-C_6-haloalkynyl.

Aliphatic Q^S substituents as used herein in the expression "aliphatic Q^S, R^j and R^k substituents may be substituted with one or more substituents" designate C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkylcarbonyl, C_1-C_6-haloalkylcarbonyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_1-C_6-alkoxy-C_1-C_6-alkyl, C_1-C_6-alkoxycarbonyl, C_1-C_6-haloalkoxycarbonyl, C_2-C_6-alkenyl, C_2-C_6-haloalkenyl, C_2-C_6-alkynyl, C_2-C_6-haloalkynyl, C_2-C_6-alkenyloxy, C_2-C_6-haloalkenyloxy, C_1-C_6-alkylsulfanyl, C_1-C_6-haloalkylsulfanyl, C_1-C_6-alkylsulfinyl, C_1-C_6-haloalkylsulfinyl, C_1-C_6-alkylsulfonyl, C_1-C_6-haloalkylsulfonyl and the C_1-C_6-alkyl moiety of —Si(C_1-C_6-alkyl)$_3$ and —O—Si(C_1-C_6-alkyl)$_3$.

Aliphatic R^j substituents as used herein in the expression "aliphatic Q^S, R^j and R^k substituents may be substituted with one or more substituents" designate C_1-C_6-alkyl, C_1-C_6-haloalkyl and C_1-C_6-alkoxy.

Aliphatic R^k substituents as used herein in the expression "aliphatic Q^S, R^j and R^k substituents may be substituted with one or more substituents" designate C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_2-C_6-alkenyl and C_2-C_6-haloalkenyl.

Cyclic R^6 substituents as used herein in the expression "cyclic, or cyclic moiety of, R^6 substituents may be substituted with one or more R^{6S} substituents" designate non-aromatic C_3-C_{12}-carbocycle, aromatic C_6-C_{14}-carbocycle, non-aromatic 3- to 14-membered heterocycle and aromatic 5- to 14-membered heterocycle.

Cyclic moiety of R^6 substituents as used herein in the expression "cyclic, or cyclic moiety of, R^6 substituents may be substituted with one or more R^{6S} substituents" designate the non-aromatic C_3-C_{12}-carbocycle of non-aromatic C_3-C_{12}-carbocyclyloxy, the aromatic C_6-C_{14}-carbocyclyle of aromatic C_6-C_{14}-carbocyclyloxy, the aromatic 5- to 14-membered heterocycle of aromatic 5- to 14-membered heterocyclyloxy, the non-aromatic 3- to 14-membered heterocycle of non-aromatic 3- to 14-membered heterocyclyloxy, the non-aromatic C_3-C_{12}-carbocycle of C_1-C_3-alkoxy substituted by a non-aromatic C_3-C_{12}-carbocycle, the aromatic C_6-C_{14}-carbocycle of C_1-C_3-alkoxy substituted by an aromatic C_6-C_{14}-carbocycle, the non-aromatic 3- to 14-membered heterocycle of C_1-C_3-alkoxy substituted by a non-aromatic 3- to 14-membered heterocycle, the aromatic 5- to 14-membered heterocycle of C_1-C_3-alkoxy substituted by an aromatic 5- to 14-membered heterocycle, the non-aromatic C_3-C_{12}-carbocycle of C_1-C_3-haloalkoxy substituted by a non-aromatic C_3-C_{12}-carbocycle, the aromatic C_6-C_{14}-carbocycle of C_1-C_3-haloalkoxy substituted by an aromatic C_6-C_{14}-carbocycle, the non-aromatic 3- to 14-membered heterocycle of C_1-C_3-haloalkoxy substituted by a non-aromatic 3- to 14-membered heterocycle and the aromatic 5- to 14-membered heterocycle of C_1-C_3-haloalkoxy substituted by an aromatic 5- to 14-membered heterocycle.

Cyclic R^{6S} substituents as used herein in the expression "cyclic R^{6S} and R^c substituents may be substituted with one or more substituents" designate C_3-C_8-cycloalkyl, C_3-C_8-cycloalkenyl, aromatic C_6-C_{14}-carbocycle, aromatic 5- or 6-membered monocyclic heterocycle and non-aromatic 3- to 7-membered monocyclic heterocycle.

Cyclic moiety of R^{6S} substituents as used herein in the expression "cyclic or cyclic moiety of R^{6S} and cyclic R^c substituents may be substituted with one or more substituents" designate the C_3-C_8-cycloalkyl of C_3-C_8-cycloalkyloxy, C_3-C_8-cycloalkylsulfanyl, C_3-C_8-cycloalkylsulfinyl, and C_3-C_8-cycloalkylsulfonyl

Cyclic R^c substituents as used herein in the expression "cyclic or cyclic moiety of R^{6S} and cyclic R^c substituents may be substituted with one or more substituents" designate C_3-C_8-cycloalkyl.

Cyclic R^7 substituents as used herein in the expression "cyclic R^7, R^e and R^g substituents may be substituted with one or more R^{7Sc} substituents" designate C_3-C_8-cycloalkyl, C_3-C_6-cycloalkenyl, aromatic C_6-C_{14}-carbocycle, aromatic 5- or 6-membered monocyclic heterocycle and non-aromatic 3- to 7-membered monocyclic heterocycle.

Cyclic moiety of R^7 substituents as used herein in the expression "cyclic or cyclic moiety of R^7, cyclic R^e and cyclic R^g substituents may be substituted with one or more R^{7Sc} substituents" designate the C_3-C_8-cycloalkyl of C_3-C_8-cycloalkyloxy, C_3-C_8-cycloalkylsulfanyl, C_3-C_8-cycloalkylsulfinyl and C_3-C_8-cycloalkylsulfonyl, the aromatic C_6-C_{14}-carbocycle of aromatic C_6-C_{14}-carbocyclyloxy, the aromatic 5- or 6-membered monocyclic heterocycle of aromatic 5- or 6-membered monocyclic heterocyclyloxy and the non-aromatic 3- to 7-membered monocyclic heterocycle of non-aromatic 3- to 7-membered monocyclic heterocyclyloxy.

Cyclic R^e substituents as used herein in the expression "cyclic R^7, R^e and R^g substituents may be substituted with one or more R^{7Sc} substituents" designate C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, aromatic C_6-C_{14}-carbocycle, aromatic 5- or 6-membered monocyclic heterocycle and non-aromatic 3- to 7-membered monocyclic heterocycle.

Cyclic R^g substituents" as used herein in the expression "cyclic R^7, R^e and R^g substituents may be substituted with one or more R^{7Sc} substituents" designate C_3-C_8-cycloalkyl.

Cyclic R^8 substituents as used herein in the expression "wherein cyclic R^8, R^h and R^i substituents may be substituted with one or more R^{8Sc} substituents" designate C_3-C_8-cycloalkyl, C_3-C_6-cycloalkenyl, aromatic C_6-C_{14}-carbocycle, non-aromatic 3- to 14-membered heterocycle and aromatic 5- to 14-membered heterocycle.

Cyclic moiety of R^8 substituents as used herein in the expression "wherein cyclic or cyclic moiety of R^8, cyclic R^h and cyclic R^i substituents may be substituted with one or more R^{8Sc} substituents" designate the C_3-C_8-cycloalkyl of C_3-C_8-cycloalkyloxy, the aromatic C_6-C_{14}-carbocycle of aromatic C_6-C_{14}-carbocyclyloxy, the non-aromatic 3- to 14-membered heterocycle of non-aromatic 3- to 14-membered heterocyclyloxy and the aromatic 5- to 14-membered heterocycle of aromatic 5- to 14-membered heterocyclyloxy.

Cyclic R^h substituents as used herein in the expression "wherein cyclic or cyclic moiety of R^8, cyclic R^h and cyclic R^i substituents may be substituted with one or more R^{8Sc} substituents" designate C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, aromatic C_6-C_{14}-carbocycle, aromatic 5- to 14-membered heterocycle and non-aromatic 3- to 7-membered monocyclic heterocycle.

Cyclic R^i substituents as used herein in the expression "wherein cyclic R^8, R^h and R^i substituents may be substituted with one or more R^{8Sc} substituents" designate C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, aromatic C_6-C_{14}-carbocycle, aromatic 5- to 14-membered heterocycle and non-aromatic 3- to 7-membered monocyclic heterocycle.

Cyclic Q^S substituents as used herein in the expression "cyclic or cyclic moiety of Q^S and cyclic R^k substituents may be substituted with one or more R^{Qs} substituents" designate C_3-C_8-cycloalkyl, C_3-C_6-cycloalkenyl, non-aromatic 3- to 7-membered monocyclic heterocycle and aromatic 5- to 14-membered heterocycle.

Cyclic moiety of Q^S substituents as used herein in the expression "cyclic or cyclic moiety of Q^S and cyclic R^k

substituents may be substituted with one or more R^{Qs} substituents" designate the C_3-C_8-cycloalkyl of C_3-C_8-cycloalkyloxy.

Cyclic R^k substituents as used herein in the expression "cyclic Q^S and R^k substituents may be substituted with one or more R^{Qs} substituents" designate C_3-C_8-cycloalkyl.

When R^2 and R^4 are said herein to form together a covalent bond, the following group is obtained: —CR^3═CR^5—.

In the above formula (I), n is 0 or 1 and m is 0 or 1, provided that m is 1 when n is 1. Hence, the present invention relates to compounds wherein n is 1 and m is 1, or n is 0 and m is 1, or n is 0 and m is 0.

In some embodiments, in the above formula (I), R^1 is selected from the group consisting of hydrogen, hydroxyl, cyano, C_1-C_6-alkyl, C_1-C_6-alkoxy, C_1-C_6-alkoxy-C_1-C_6-alkyl and —C(═O)(OR^{a1}) with R^{a1} being C_1-C_6-alkyl or C_2-C_6-alkenyl.

In the above formula (I), R^1 is preferably selected from the group consisting of hydrogen, hydroxyl and —C(═O)(OR^{a1}) with R^{a1} being C_1-C_6-alkyl or C_2-C_6-alkenyl, more preferably R^1 is hydrogen. Non-limiting examples of suitable R^1 include any of the R^1 groups disclosed in column "R^1" of Table 1.

In the above formula (I), R^2 and R^3, when present (i.e. n=1), are preferably independently selected from the group consisting of hydrogen, cyano, C_1-C_6-alkyl (e.g. methyl) and C_1-C_6-alkoxycarbonyl (e.g. methoxycarbonyl), or R^2 and R^3 form, together with the carbon atom to which they are attached to, a C_3-C_8-cycloalkyl (e.g. cyclopropyl). More preferably, R^2 and R^3, when present, are both hydrogen or R^2 and R^3 form, together with the carbon atom to which they are attached to, a C_3-C_8-cycloalkyl (e.g. cyclopropyl).

In the above formula (I), R^4 and R^5, when present (i.e. m=1), are preferably independently selected from the group consisting of hydrogen, halogen, hydroxyl and C_1-C_6-alkyl (e.g. methyl), or R^4 and R^5 form, together with the carbon atom to which they are attached to, a C_3-C_8-cycloalkyl (e.g. cyclopropyl) or a non-aromatic 3- to 7-membered monocyclic heterocycle (e.g. non-aromatic 3- to 7-membered saturated monocyclic heterocycle, for instance oxetanyl). More preferably, R^4 and R^5, when present, are independently selected from the group consisting of hydrogen, halogen (e.g. fluorine) and C_1-C_6-alkyl (e.g. methyl), or R^4 and R^5 form, together with the carbon atom to which they are attached to, a C_3-C_8-cycloalkyl (e.g. cyclopropyl).

In the above formula (I), when R^2 and R^4 form, together with the carbon atom to which they are attached to, a C_3-C_8-cycloalkyl, R^2 and R^4 form preferably a cyclopropyl and R^3 and R^5 are independently hydrogen or halogen (e.g. fluorine).

In the above formula (I), R^6 is preferably selected from the group consisting of non-aromatic C_3-C_{12}-carbocycle, aromatic C_6-C_{14}-carbocycle, non-aromatic 3- to 14-membered heterocycle, aromatic 5- to 14-membered heterocycle, aromatic C_6-C_{14}-carbocyclyloxy, C_1-C_3-alkoxy substituted by an aromatic C_6-C_{14}-carbocycle and C_1-C_3-haloalkoxy substituted by an aromatic C_6-C_{14}-carbocycle.

When R^6 is a non-aromatic C_3-C_{12}-carbocycle, R^6 is preferably a C_7-C_{12} polycyclic system, more preferably a C_7-C_{12} bicyclic system comprising an aryl fused to a C_3-C_8-cycloalkyl, a C_7-C_{12} bicyclic system comprising an aryl fused to a C_3-C_8-cycloalkenyl or a C_9-C_{12} tricyclic system comprising a cyclopropyl connected through one common atom to a bicyclic system comprising an aryl fused to either a C_3-C_8-cycloalkyl or a C_3-C_8-cycloalkenyl.

Preferred C_7-C_{12} bicyclic systems comprising an aryl fused to a C_3-C_8-cycloalkyl include indanyl, 1,2,3,4-tetrahydronaphthalenyl and bicyclo[4.2.0]octa-1(6),2,4-trienyl.

Preferred C_7-C_{12} bicyclic systems comprising an aryl fused to a C_3-C_8-cycloalkenyl include indenyl and 1,2-dihydronaphthalenyl.

Preferred C_9-C_{12} tricyclic system comprising a cyclopropyl connected through one common atom to a bicyclic system which comprises an aryl fused to either a C_3-C_8-cycloalkyl or a C_3-C_8-cycloalkenyl include spiro[cyclopropane-1,2'-indane]-1-yl and spiro[cyclopropane-1,2'-tetralin]-1-yl.

When R^6 is a non-aromatic C_3-C_{12}-carbocycle, R^6 is more preferably an indanyl, a 1,2,3,4-tetrahydronaphthalenyl or a spiro[cyclopropane-1,2'-indane]-1-yl, even more preferably R^6 is indan-1-yl, indan-2-yl, 1,2,3,4-tetrahydronaphthalen-1-yl, 1,2,3,4-tetrahydronaphthalen-2-yl, 1,2,3,4-tetrahydronaphthalen-6-yl or spiro[cyclopropane-1,2'-indane]-1-yl.

When R^6 is an aromatic C_6-C_{14}-carbocycle, R^6 is preferably phenyl or naphthyl, more preferably phenyl, naphth-1-yl or naphth-2-yl.

When R^6 is a non-aromatic 3- to 14-membered heterocycle, R^6 is typically a non-aromatic 6- to 14-membered polycyclic heterocycle, R^6 is preferably a non-aromatic bicyclic heterocycle comprising a 4- to 6-membered monocyclic non-aromatic heterocycle fused to an aryl, a non-aromatic bicyclic heterocycle comprising a 5- or 6-membered monocyclic heteroaryl fused to a monocyclic C_3-C_8-cycloalkyl, a non-aromatic bicyclic heterocycle comprising a 5- or 6-membered monocyclic heteroaryl fused to a 3- to 7-membered monocyclic non-aromatic heterocycle, a non-aromatic tricyclic heterocycle comprising a cyclopropyl connected through one common atom to a non-aromatic bicyclic heterocycle, said heterocycle comprising a 4- to 6-membered monocyclic non-aromatic heterocycle fused to an aryl (e.g. phenyl), or a non-aromatic tricyclic heterocycle comprising a cyclopropyl connected through one common atom to a non-aromatic bicyclic heterocycle comprising a 5- or 6-membered monocyclic heteroaryl fused to a monocyclic C_3-C_8-cycloalkyl.

Preferred non-aromatic bicyclic heterocycles comprising a 4- to 6-membered monocyclic non-aromatic heterocycle fused to an aryl include 2,3-dihydrobenzofuranyl, 2,3-dihydrobenzothiophenyl, indolinyl, 1,3-benzodioxolyl, 1,2,3,4-tetrahydroquinolinyl, chromanyl, isochromanyl, thiochromanyl and 2,3-dihydro-1,4-benzodioxinyl.

Preferred non-aromatic bicyclic heterocycles comprising a 5- or 6-membered monocyclic heteroaryl fused to a monocyclic C_3-C_8-cycloalkyl include tetrahydrobenzothiophenyl, 6,7-dihydro-5H-cyclopenta[b]pyridinyl, 5,6,7,8-tetrahydroquinolinyl, 4,5,6,7-tetrahydrobenzothiophenyl, 4,5,6,7-tetrahydrobenzofuranyl, 4,5,6,7-tetrahydro-1,3-benzoxazolyl, 4,5,6,7-tetrahydro-1,3-benzothiazolyl, 4,5,6,7-tetrahydro-1H-benzimidazolyl, 4,5,6,7-tetrahydro-indazolyl, 4,5,6,7-tetrahydro-2H-isoindolyl, 4,5,6,7-tetrahydro-2-benzothiophenyl, 5,6-dihydro-4H-cyclopenta[b]thiophenyl and 5,6-dihydro-4H-cyclopenta[d]thiazolyl.

Preferred non-aromatic bicyclic heterocycles comprising a 5- or 6-membered monocyclic heteroaryl fused

to a 3- to 7-membered monocyclic non-aromatic heterocycle include 4,5,6,7-tetrahydropyrazolo[1,5-a]pyridinyl, 5,6,7,8-tetrahydro-[1,2,4]triazolo[1,5-a]pyridinyl, 5,6,7,8-tetrahydroimidazo[1,2-a]pyridinyl and 6,7-dihydro-5H-thieno[3,2-b]pyranyl.

Preferred non-aromatic tricyclic heterocycles comprising a cyclopropyl connected through one common atom to a non-aromatic bicyclic heterocycle comprising a 4- to 6-membered monocyclic non-aromatic heterocycle fused to an aryl include spiro[chromane-3,1'-cyclopropane]-yl.

Preferred non-aromatic tricyclic heterocycles comprising a cyclopropyl connected through one common atom to a non-aromatic bicyclic heterocycle comprising a 5- or 6-membered monocyclic heteroaryl fused to a monocyclic C_3-C_8-cycloalkyl include spiro[7,8-dihydro-5H-quinoline-6,1'-cyclopropane]-yl.

When R^6 is a non-aromatic 3- to 14-membered heterocycle, R^6 is more preferably a 4- to 6-membered monocyclic non-aromatic heterocycle fused to a phenyl (preferably selected from the group consisting of 2,3-dihydrobenzofuranyl, indolinyl, 1,3-benzodioxolyl, chromanyl, isochromanyl, thiochromanyl and 2,3-dihydro-1,4-benzodioxinyl) or a 5- or 6-membered monocyclic heteroaryl fused to a monocyclic C_3-C_8-cycloalkyl (preferably 5,6,7,8-tetrahydroquinolinyl or 4,5,6,7-tetrahydrobenzothiophenyl).

When R^6 is a non-aromatic 3- to 14-membered heterocycle, R^6 is even more preferably 2,3-di-hydrobenzofuran-3-yl, 2,3-dihydrobenzofuran-5-yl, 2,3-dihydrobenzofuran-7-yl, indolin-3-yl, 1,3-benzodioxol-5-yl, chroman-4-yl, isochroman-4-yl, thiochroman-4-yl, 2,3-dihydro-1,4-benzo-dioxin-5-yl, 2,3-dihydro-1,4-benzodioxin-6-yl, 5,6,7,8-tetrahydroquinolin-8-yl, 4,5,6,7-tetrahydro-benzothiophen-4-yl or 4,5,6,7-tetrahydrobenzothiophen-7-yl, more specifically 2,3-dihydrobenzofuran-5-yl or 4,5,6,7-tetrahydrobenzothiophen-7-yl.

When R^6 is an aromatic 5- to 14-membered heterocycle, R^6 is preferably an aromatic 5- or 6-membered monocyclic heterocycle, a 9- or 10-membered aromatic bicyclic heterocycle comprising a 5- or 6-membered monocyclic aromatic heterocycle fused to an aryl or a 9- or 10-membered aromatic bicyclic heterocycle comprising two fused 5- or 6-membered monocyclic aromatic heterocycles.

Preferred aromatic 5- or 6-membered monocyclic heterocycles include furanyl, thienyl, pyrazolyl, imidazolyl, triazolyl, oxazolyl, oxadiazolyl, thiazolyl, thiadiazolyl, pyridinyl, pyridazinyl and pyrimidinyl.

Preferred 9- or 10-membered aromatic bicyclic heterocycles comprising an aromatic 5- or 6-membered monocyclic heterocycle fused to an aryl (phenyl) include indolyl, benzimadazolyl, indazolyl, benzofuranyl, benzothiophenyl, benzothiazolyl (e.g. 1,3-benzothiazolyl, 2,1-benzothiazolyl, 1,2-benzothiazolyl), benzoxazolyl (e.g. 1,3-benzoxazolyl, 2,1-benzoxazolyl, 1,2-benzoxazolyl), quinolinyl, isoquinolinyl and quinoxalinyl.

Preferred 9- or 10-membered aromatic bicyclic heterocycles comprising two fused 5- or 6-membered monocyclic aromatic heterocycles include pyrrolo[3,2-c]pyridinyl, imidazo[1,2-a]pyridinyl, [1,2,4]triazolo[4,3-a]pyridinyl, imidazo[1,2-a]pyridinyl, thieno[3,2-b]pyrrolyl, thieno[3,2-b]thiophenyl, imidazo[2,1-b]oxazolyl, furo[2,3-d]isoxazolyl and thieno[2,3-d]isothiazolyl.

When R^6 is an aromatic 5- to 14-membered heterocycle, R^6 is more preferably an aromatic 5- or 6-membered monocyclic heterocycle selected from the group consisting of furanyl, thienyl, pyrazolyl, pyridinyl and pyrimidinyl, a 9- or 10-membered aromatic bicyclic heterocycle comprising a 5- or 6-membered monocyclic aromatic heterocycle fused to an aryl selected from the group consisting of indolyl, benzofuranyl, benzoxazolyl, quinolinyl and isoquinolinyl, or imidazo[1,2-a]pyridinyl.

When R^6 is an aromatic 5- to 14-membered heterocycle, R^6 is even more preferably furan-2-yl, thien-3-yl, pyrazol-4-yl, pyridin-2-yl, pyridin-3-yl, pyrimidin-2-yl, quinolin-2-yl, quinolin-3-yl, quinolin-5-yl, isoquinolin-3-yl, isoquinolin-4-yl, isoquinolin-5-yl, isoquinolin-7-yl, indol-3-yl, benzo-furan-4-yl, 1,3-benzoxazol-4-yl or imidazo[1,2-a]pyridin-2-yl, more specifically R^6 is pyridin-2-yl, 1,3-benzoxazol-4-yl or indol-3-yl.

When R^6 is an aromatic C_6-C_{14}-carbocyclyloxy, R^6 is preferably phenoxy.

When R^6 is a C_1-C_3-alkoxy substituted by an aromatic C_6-C_{14}-carbocycle, R^6 is preferably a C_1-C_3-alkoxy substituted by a phenyl, more preferably benzyloxy.

When R^6 is a C_1-C_3-haloalkoxy substituted by an aromatic C_6-C_{14}-carbocycle, R^6 is preferably a C_1-C_3-haloalkoxy substituted by phenyl, more preferably —OCF_2-phenyl.

In some embodiments, R^6 is selected from the group consisting of non-aromatic polycyclic C_7-C_{12}-carbocycle, aromatic C_6-C_{14}-carbocycle (phenyl, naphthyl), non-aromatic polycyclic 6- to 14-membered heterocycle, aromatic 5- to 14-membered heterocycle, non-aromatic polycyclic C_7-C_{12}-carbocyclyloxy, phenoxy, aromatic 5- to 14-membered heterocyclyloxy, non-aromatic polycyclic 6- to 14-membered heterocyclyloxy, C_1-C_3-alkoxy substituted by a non-aromatic polycyclic C_7-C_{12}-carbocycle, C_1-C_3-alkoxy substituted by phenyl or naphthyl, C_1-C_3-alkoxy substituted by a non-aromatic polycyclic 6- to 14-membered heterocycle, C_1-C_3-alkoxy substituted by an aromatic 5- to 14-membered heterocycle, C_1-C_3-haloalkoxy substituted by a non-aromatic polycyclic C_7-C_{12}-carbocycle, C_1-C_3-haloalkoxy substituted by phenyl or naphthyl, C_1-C_3-haloalkoxy substituted by a non-aromatic polycyclic 6- to 14-membered heterocycle and C_1-C_3-haloalkoxy substituted by an aromatic 5- to 14-membered heterocycle.

In some embodiments, R^6 is selected from the group consisting of non-aromatic polycyclic C_7-C_{12}-carbocycle, aromatic C_6-C_{14}-carbocycle, non-aromatic 6- to 14-membered polycyclic heterocycle, aromatic 5- to 14-membered heterocycle, aromatic C_6-C_{14}-carbocyclyloxy, C_1-C_3-alkoxy substituted by an aromatic C_6-C_{14}-carbocycle and C_1-C_3-haloalkoxy substituted by an aromatic C_6-C_{14}-carbocycle.

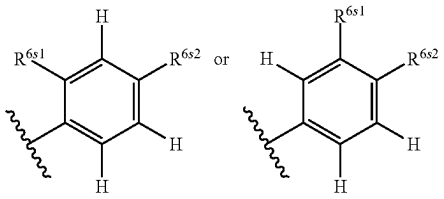
In a preferred embodiment, R^6 is selected from the group consisting of non-aromatic polycyclic C_7-C_{12}-carbocycle, aromatic C_6-C_{14}-carbocycle, non-aromatic 6- to 14-membered polycyclic heterocycle, aromatic 5- to 14-membered heterocycle, aromatic C_6-C_{14}-carbocyclyloxy, C_1-C_3-alkoxy substituted by an aromatic C_6-C_{14}-carbocycle and C_1-C_3-haloalkoxy substituted by an aromatic C_6-C_{14}-carbocycle.

In some embodiments, R^6 is selected from the group consisting of indanyl, 1,2,3,4-tetrahydronaphthalenyl, spiro[cyclopropane-1,2'-indane]-1-yl, phenyl, naphthyl, 2,3-dihydrobenzofuranyl, indolinyl, 1,3-benzodioxolyl, chromanyl, isochromanyl, thiochromanyl, 2,3-dihydro-1,4-

benzodioxinyl, 5,6,7,8-tetrahydroquinolinyl, 4,5,6,7-tetrahydrobenzothiophenyl, furanyl, thienyl, pyridinyl, pyrimidinyl, indolyl, benzofuranyl, benzoxazolyl, quinolinyl, isoquinolinyl, imidazo[1,2-a]pyridinyl, phenoxy, benzyloxy and —OCF_2-phenyl.

In a more preferred embodiment, R^6 is selected from the group consisting of indanyl, 1,2,3,4-tetrahydronaphthalenyl, spiro[cyclopropane-1,2'-indane]-1-yl, phenyl, naphthyl, 2,3-dihydrobenzofuranyl, indolinyl, 1,3-benzodioxolyl, chromanyl, isochromanyl, thiochromanyl, 2,3-dihydro-1,4-benzodioxinyl, 5,6,7,8-tetrahydroquinolinyl, 4,5,6,7-tetrahydrobenzothiophenyl, furanyl, thienyl, pyridinyl, pyrimidinyl, indolyl, benzofuranyl, benzoxazolyl, quinolinyl, isoquinolinyl, imidazo[1,2-a]pyridinyl, phenoxy, benzyloxy and —OCF_2-phenyl.

In some embodiments, R^6 is



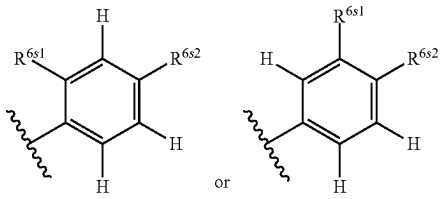
wherein

R^{6s1} is hydrogen or R^{6s},

R^{6s2} is hydrogen or R^{6s},

R^{6s} being as described herein (above or below), preferably at least one of R^{6s1} and R^{6s2} is different from hydrogen.

In a even more preferred embodiment, R^6 is



wherein

R^{6s1} is hydrogen or R^{6s},

R^{6s2} is hydrogen or R^{6s},

with R^{6s} being halogen, cyano, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_2-C_6-alkenyl, C_2-C_6-alkynyl, C_1-C_6-haloalkylsulfanyl, C_3-C_6-cycloalkyl, phenyl, pyridinyl, pyrazolyl, imidazolyl, triazolyl, oxetanyl, tetrahydrofuranyl and tetrahydropyranyl, wherein cyclic R^{6S} substituents may be substituted with one to three substituents independently selected from the group consisting of halogen, C_1-C_6-alkyl, C_1-C_6-haloalkyl and C_1-C_6-alkoxycarbonyl,

with the proviso that at least one of R^{6s1} and R^{6s2} is different from hydrogen.

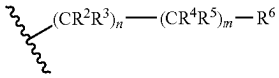
R^6 groups as disclosed herein may be substituted with one or more R^{6S} substituents as disclosed herein above or as disclosed herein below.

In some embodiments, R^6 is substituted with one or more R^{6S} substituents as disclosed herein above or as disclosed herein below that may be the same or different.

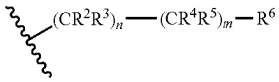
R^{6S} substituents are preferably selected from the group consisting of halogen, cyano, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_2-C_6-alkenyl, C_2-C_6-alkynyl, C_1-C_6-haloalkylsulfanyl, C_3-C_8-cycloalkyl (e.g. cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl), aromatic C_6-C_{14}-carbocycle (e.g. phenyl), aromatic 5- or 6-membered monocyclic heterocycle (e.g. pyridinyl, pyrimidinyl, thienyl, furanyl, imidazolyl, triazolyl, pyrazolyl, oxazolyl, thiazolyl, preferably pyridinyl, pyrazolyl, imidazolyl, triazolyl) and non-aromatic 3- to 7-membered monocyclic heterocycle (e.g. oxetanyl, tetrahydrofuranyl, tetrahydropyranyl (oxanyl), pyrrolidinyl, azetidinyl, morpholinyl, preferably oxetanyl, tetrahydrofuranyl, tetrahydropyranyl (oxanyl)), wherein cyclic R^{6S} substituents may be substituted with one or more substituents independently selected from the group consisting of halogen, C_1-C_6-alkyl, C_1-C_6-haloalkyl and C_1-C_6-alkoxycarbonyl.

R^{6S} substituents are more preferably selected from the group consisting of halogen (e.g. chlorine, bromine, iodine, fluorine), cyano, C_1-C_6-alkyl (e.g. methyl), C_1-C_6-haloalkyl (e.g. CF_3, CHF_2), C_1-C_6-alkoxy (e.g. methoxy, isopropyloxy), C_1-C_6-haloalkoxy (e.g. difluoromethoxy), C_2-C_6-alkenyl (e.g. prop-1-en-2-yl), C_2-C_6-alkynyl (e.g. ethynyl), C_1-C_6-haloalkylsulfanyl (e.g. —SCH_2CF_3), cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, phenyl, pyridin-2-yl, pyridin-4-yl, pyrazol-4-yl, imidazol-2-yl, triazol-4-yl, oxetan-3-yl, tetrahydrofuran-3-yl and tetrahydropyran-4-yl (oxan-4-yl), wherein cyclic R^{6S} substituents may be substituted with one or more substituents independently selected from the group consisting of halogen (e.g. chlorine), C_1-C_6-alkyl (e.g. methyl), C_1-C_6-haloalkyl (e.g. CF_3) and C_1-C_6-alkoxycarbonyl (e.g. methoxycarbonyl).

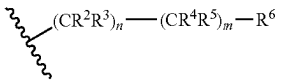
Non-limiting examples of suitable



chains include any of the



chains disclosed in column

"  "

of Table 1.

In the above formula (I), R^7 is preferably selected from the group consisting of hydrogen, halogen, cyano, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-hydroxyalkyl, C_1-C_6-alkylcarbonyl, C_1-C_6-alkoxy, C_2-C_6-alkenyl, C_2-C_6-alkynyl, C_1-C_6-alkylsulfanyl, C_1-C_6-alkylsulfinyl, C_3-C_8-cycloalkyl, aromatic 5- or 6-membered monocyclic heterocycle, non-aromatic 3- to 7-membered monocyclic heterocycle, —$N(R^e)_2$, —$C(=NR^f)R^f$ and —$C(=O)N(R^g)_2$,

with R^e being as disclosed above, preferably R^e is independently selected from the group consisting of hydrogen, C_1-C_6-alkyl and C_3-C_8-cycloalkyl (e.g. cyclopropyl),

with R^f being as disclosed above, preferably R^f is independently selected from the group consisting of hydroxyl, amino, C_1-C_6-alkyl and C_1-C_6-alkoxy,

with R^g being as disclosed above, preferably R^g is independently selected from the group consisting of hydrogen, C_1-C_6-alkyl and C_3-C_8-cycloalkyl (e.g. cyclopropyl).

When R^7 is a C_3-C_8-cycloalkyl, R^7 is preferably a cyclopropyl.

When R^7 is an aromatic 5- or 6-membered monocyclic heterocycle, R^7 is preferably selected from the group consisting of pyridinyl, pyrimidinyl, thienyl, furanyl, imidazolyl, triazolyl, pyrazolyl, oxazolyl and thiazolyl, more preferably pyridinyl (e.g. pyridin-4-yl), imidazolyl (e.g. imidazol-1-yl, imidazol-5-yl) and pyrazolyl (e.g. pyrazol-4-yl).

When R^7 is a non-aromatic 3- to 7-membered monocyclic heterocycle, R^7 is preferably selected from the group consisting of oxiranyl, oxetanyl, tetrahydrofuranyl, tetrahydropyranyl, pyrrolidinyl, azetidinyl, aziridinyl, morpholinyl and 2-oxa-6-azaspiro[3.3]heptanyl, more preferably oxetanyl (e.g. oxetan-3-yl), tetrahydrofuranyl (e.g. tetrahydrofuran-3-yl), tetrahydropyranyl (e.g. tetrahydropyran-4-yl), pyrrolidinyl (e.g. pyrrolidin-1-yl) and azetidinyl (e.g. azetidin-1-yl).

When R^7 is —$N(R^e)_2$, R^7 is preferably dimethylamino or cyclopropylamino.

When R^7 is —$C(=NR^f)R^f$, R^7 is preferably 1-hydrazinylideneethyl, 1-(methoxyimino)ethyl or 1-hydroxyiminoethyl.

When R^7 is —$C(=O)N(R^g)_2$, R^g is preferably independently selected from the group consisting of hydrogen, methyl, propyl and cyclopropyl.

In some embodiments, R^7 is selected from the group consisting of hydrogen, halogen, cyano, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-hydroxyalkyl, C_1-C_6-alkylcarbonyl, C_1-C_6-alkoxy, C_2-C_6-alkenyl, C_2-C_6-alkynyl, C_1-C_6-alkylsulfanyl, C_1-C_6-alkylsulfinyl, cyclopropyl, pyridinyl, imidazolyl, pyrazolyl, oxetanyl, tetrahydrofuranyl, tetrahydropyranyl, pyrrolidinyl, azetidinyl, dimethylamino, cyclopropylamino, cyclopropylaminocarbonyl, 1-hydrazinylideneethyl, 1-(methoxyimino)ethyl and 1-hydroxyiminoethyl.

Preferred aliphatic R^7, R^e, R^f and R^g substituents as disclosed herein may be substituted with one or more R^{7Sa} substituents as disclosed herein above or as disclosed herein below.

R^{7Sa} substituents are preferably selected from the group consisting of hydroxyl, cyano, C_1-C_6-alkoxy (e.g. methoxy), C_3-C_8-cycloalkyl (e.g. cyclobutyl), C_1-C_6-alkoxycarbonyl (e.g. ethoxycarbonyl) and aromatic C_6-C_{14}-carbocycle (e.g. phenyl).

Preferred cyclic R^7 and R^e substituents as disclosed herein may be substituted with one or more R^{7Sc} substituents as disclosed herein above or as disclosed herein below.

R^{7Sc} substituents are preferably selected from the group consisting of halogen (e.g. fluorine, chlorine), hydroxyl, C_1-C_6-alkyl (e.g. methyl) and C_1-C_6-alkoxy (e.g. methoxy).

In some embodiments, R^7 is an unsubstituted pyridinyl (e.g. pyridin-4-yl) or a pyridinyl substituted with halogen (e.g. fluorine, chlorine), C_1-C_6-alkyl (e.g. methyl) or C_1-C_6-alkoxy (e.g. methoxy).

In some embodiments, R^7 is an unsubstituted imidazolyl (e.g. imidazol-1-yl, imidazol-5-yl) or an imidazolyl substituted by a C_1-C_6-alkyl (e.g. methyl).

In some embodiments, R^7 is an unsubstituted azetidinyl (e.g. azetidin-1-yl) or an azetidinyl substituted by hydroxyl.

Non-limiting examples of suitable R^7 include any of the R^7 groups listed in column "R^7" of Table 1.

In the above formula (I), R^8 is preferably selected from the group consisting of hydrogen, halogen, hydroxyl, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_2-C_6-alkenyl, C_2-C_6-alkenyloxy, C_2-C_6-haloalkenyloxy, C_1-C_6-alkylsulfanyl, C_1-C_6-haloalkylsulfanyl, C_1-C_6-alkylsulfinyl, C_1-C_6-alkylsulfonyl, C_3-C_8-cycloalkyl, aromatic C_6-C_{14}-carbocycle, non-aromatic 3- to 14-membered heterocycle, aromatic 5- to 14-membered heterocycle, C_3-C_8-cycloalkyloxy, non-aromatic 3- to 14-membered heterocyclyloxy and —$N(R^h)_2$;

with R^h being as disclosed above, preferably R^h is independently selected from the group consisting of hydrogen, C_1-C_6-alkyl, C_2-C_6-alkenyl, C_3-C_8-cycloalkyl (e.g. cyclopropyl, cyclohexyl), aromatic C_6-C_{14}-carbocycle (e.g. phenyl) and non-aromatic 3- to 7-membered monocyclic heterocycle (e.g. oxetanyl).

When R^8 is a C_3-C_8-cycloalkyl, R^8 is preferably a cyclopropyl.

When R^8 is an aromatic C_6-C_{14}-carbocycle, R^8 is preferably phenyl.

When R^8 is a non-aromatic 3- to 14-membered heterocycle, R^8 is preferably a non-aromatic 3- to 7-membered monocyclic heterocycle.

Preferred non-aromatic 3- to 7-membered monocyclic heterocycles include oxiranyl, aziridinyl, oxetanyl, azetidinyl, tetrahydrofuranyl, pyrrolidinyl, tetrahydropyranyl (oxanyl) and morpholinyl.

When R^8 is a non-aromatic 3- to 14-membered heterocycle, R^8 is more preferably selected from the group consisting of oxetanyl, azetidinyl, pyrrolidinyl, tetrahydropyranyl and morpholinyl.

When R^8 is a non-aromatic 3- to 14-membered heterocycle, R^8 is even more preferably selected from the group consisting of oxetan-3-yl, azetidin-1-yl, tetrahydropyran-4-yl and pyrrolidin-1-yl.

When R^8 is an aromatic 5- to 14-membered heterocycle, R^8 is preferably a 5- or 6-membered aromatic monocyclic heterocycle.

Preferred 5- or 6-membered aromatic monocyclic heterocycles include furanyl, thienyl, pyrazolyl, imidazolyl, triazolyl, oxazolyl, thiazolyl, pyridinyl and pyrimidinyl.

When R^8 is an aromatic 5- to 14-membered heterocycle, R^8 is more preferably selected from the group consisting of pyrazolyl, imidazolyl, thiazolyl and pyridinyl.

When R^8 is an aromatic 5- to 14-membered heterocycle, R^8 is even more preferably selected from the group consisting of pyrazol-1-yl, imidazole-1-yl, thiazol-4-yl, pyridin-2-yl, pyridin-3-yl and pyridin-4-yl.

When R^8 is a C_3-C_8-cycloalkyloxy, R^8 is preferably a cyclopropyloxy.

When R^8 is a non-aromatic 3- to 14-membered heterocyclyloxy, R^8 is preferably a non-aromatic 3- to 7-membered monocyclic heterocyclyloxy.

Preferred non-aromatic 3- to 7-membered monocyclic heterocyclyloxy include oxetanyloxy and azetidinyloxy.

When R^8 is a non-aromatic 3- to 14-membered heterocyclyloxy, R^8 is more preferably oxetan-3-yloxy or azetidin-3-yloxy.

When R^8 is $N(R^h)_2$, R^h is preferably independently selected from the group consisting of hydrogen, C_1-C_6-alkyl (e.g. methyl, ethyl, propyl, isobutyl), C_2-C_6-alkenyl (e.g. buten-3-en-2-yl), C_3-C_8-cycloalkyl (e.g. cyclopropyl, cyclohexyl), aromatic C_6-C_{14}-

carbocycle (e.g. phenyl) and non-aromatic 3- to 7-membered monocyclic heterocycle (e.g. oxetanyl).

In some embodiments, R^8 is selected from the group consisting of hydrogen, halogen, hydroxyl, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_2-C_6-alkenyl, C_2-C_6-alkenyloxy, C_2-C_6-haloalkenyloxy, C_1-C_6-alkylsulfanyl, C_1-C_6-haloalkylsulfanyl, C_1-C_6-alkylsulfinyl, C_1-C_6-alkylsulfonyl, cyclopropyl, phenyl, oxetanyl, azetidinyl, pyrrolidinyl, tetrahydropyranyl, morpholinyl, pyrazolyl, imidazolyl, thiazolyl, pyridinyl, cyclopropyloxy, oxetanyloxy, azetidinyloxy and —$N(R^h)_2$ with R^h being preferably independently selected from the group consisting of hydrogen, C_1-C_6-alkyl, C_2-C_6-alkenyl, C_3-C_8-cycloalkyl (e.g. cyclopropyl, cyclohexyl), aromatic C_6-C_{14}-carbocycle (e.g. phenyl) and non-aromatic 3- to 7-membered monocyclic heterocycle (e.g. oxetanyl).

In a preferred embodiment, R^8 is selected from the group consisting of hydrogen, halogen, hydroxyl, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_2-C_6-alkenyl, C_2-C_6-alkenyloxy, C_2-C_6-haloalkenyloxy, C_1-C_6-alkylsulfanyl, C_1-C_6-haloalkylsulfanyl, C_1-C_6-alkylsulfinyl, C_1-C_6-alkylsulfonyl, cyclopropyl, phenyl, oxetanyl, azetidinyl, pyrrolidinyl, tetrahydropyranyl, morpholinyl, pyrazolyl, imidazolyl, thiazolyl, pyridinyl, cyclopropyloxy, oxetanyloxy, azetidinyloxy and —$N(R^h)_2$ with R^h being preferably independently selected from the group consisting of hydrogen, C_1-C_6-alkyl, C_2-C_6-alkenyl, C_3-C_6-cycloalkyl, phenyl and oxetanyl.

Preferred aliphatic R^8 and R^h substituents as disclosed herein may be substituted with one or more R^{8Sa} substituents as disclosed herein above or as disclosed herein below.

R^{8Sa} substituents are preferably selected from the group consisting of hydroxyl, carboxyl, C_1-C_6-haloalkyl (e.g. trifluoromethyl), C_1-C_6-alkoxy (e.g. methoxy, ethoxy), C_1-C_6-alkoxy-C_1-C_6-alkoxy (e.g. -ethoxy-methoxy), C_1-C_6-alkoxycarbonyl (e.g. methoxycarbonyl), C_3-C_8-cycloalkyl (e.g. cyclopropyl), C_1-C_6-alkylsulfanyl (e.g. methylsulfanyl), —O—$Si(C_1$-C_6-$alkyl)_3$, non-aromatic 3- to 7-membered mon-cyclic heterocycle (e.g. 1,3-dioxolanyl) and —$N(R^{a'})_2$ with $R^{a'}$ being preferably independently selected from the group consisting of hydrogen, formyl, C_1-C_6-alkyl (e.g. methyl) and C_1-C_6-alkylcarbonyl (e.g. methylcarbonyl).

Non-limiting examples of suitable $N(R^{a'})_2$ groups include acetyl(methyl)amino and formyl(methyl)amino.

Preferred cyclic R^8 and R^h substituents may be substituted with one or more R^{8Sc} substituents that may be the same or different as disclosed herein above or below.

R^{8Sc} substituents are preferably selected from the group consisting of oxo, halogen (e.g. chlorine), cyano, hydroxyl, C_1-C_6-alkyl (e.g. methyl), C_1-C_6-haloalkyl (e.g. difluoromethyl), C_1-C_6-alkoxy (e.g. methoxy), C_1-C_6-alkoxycarbonyl (e.g. ethoxycarbonyl, propyloxycarbonyl), C_3-C_8-cycloalkyl (e.g. cyclopropyl) and non-aromatic 3- to 7-membered monocyclic heterocycle (e.g. oxolanyl, oxetanyl, tetrahydrofuranyl) or two R^{8Sc} substituents form together with the carbon atom to which they are attached to a non-aromatic 3- to 7-membered monocyclic heterocycle (e.g. oxetanyl, oxiranyl).

Non-limiting examples of suitable R^8 include any of the R^8 groups listed in column "R^8" of Table 1.

In the above formula (I), when Q is an aromatic C_6-C_{14}-carbocycle, Q is preferably phenyl or naphthyl, more preferably phenyl or naphth-2-yl.

In the above formula (I), when Q is a non-aromatic C_3-C_{12}-carbocycle, Q is preferably a C_7-C_{12} bicyclic system comprising an aryl fused to a C_3-C_8-cycloalkyl or a C_7-C_{12} bicyclic system comprising an aryl fused to a C_3-C_8-cycloalkenyl.

Preferred C_7-C_{12} bicyclic systems comprising an aryl fused to a C_3-C_8-cycloalkyl include bicyclo[4.2.0]octa-1(6),2,4-trienyl, indanyl and 1,2,3,4-tetrahydronaphthalenyl.

Preferred C_7-C_{12} bicyclic systems comprising an aryl fused to a C_3-C_8-cycloalkenyl include indenyl and dihydronaphthalenyl.

When Q is a non-aromatic C_3-C_{12}-carbocycle, Q is more preferably a C_7-C_{12} bicyclic system comprising an aryl (e.g. phenyl) fused to a C_3-C_8-cycloalkyl, even more preferably a bicyclo[4.2.0]octa-1(6),2,4-trienyl, more specifically 3-bicyclo[4.2.0]octa-1(6),2,4-trienyl. In the above formula (I), when Q is a non-aromatic 3- to 14-membered heterocycle, Q is typically a non-aromatic 6- to 14-membered bicyclic heterocycle, preferably Q is a non-aromatic bicyclic heterocycle comprising a 4- to 6-membered monocyclic non-aromatic heterocycle fused to an aryl or a non-aromatic bicyclic heterocycle comprising a 5- or 6-membered monocyclic heteroaryl fused to a monocyclic C_3-C_8-cycloalkyl.

Preferred non-aromatic bicyclic heterocycles comprising a 4- to 6-membered monocyclic non-aromatic heterocycle fused to an aryl include 2,3-dihydrobenzofuranyl, 1,3-dihydroisobenzofuranyl, indolinyl, 1,3-benzodioxolyl, chromanyl, 2,3-dihydro-1,4-benzodioxinyl and [1,3]dioxolo[4,5-b]pyridinyl.

Preferred non-aromatic bicyclic heterocycles comprising a 5- or 6-membered monocyclic heteroaryl fused to a monocyclic C_3-C_8-cycloalkyl include 5,6,7,8-tetrahydroquinolinyl and 6,7-dihydro-5H-cyclopenta[b]pyridinyl.

When Q is a non-aromatic 3- to 14-membered heterocycle, Q is more preferably a non-aromatic bicyclic heterocycle comprising a 4- to 6-membered monocyclic non-aromatic heterocycle fused to an aryl, even more preferably Q is 1,3-benzodioxolyl or 2,3-dihydrobenzofuranyl, more specifically Q is 1,3-benzodioxol-5-yl or 2,3-dihydrobenzofuran-5-yl.

In the above formula (I), when Q is an aromatic 5- to 14-membered heterocycle, Q is preferably an aromatic 5- or 6-membered monocyclic heterocycle, an aromatic 9- or 10-membered bicyclic heterocycle comprising an aromatic 5- or 6-membered monocyclic heterocycle fused to an aryl (phenyl) or a 9- or 10-membered aromatic bicyclic heterocycle comprising two fused aromatic 5- or 6-membered monocyclic heterocycles.

Preferred aromatic 5- or 6-membered monocyclic heterocycles include pyrrolyl, furanyl, thienyl, imidazolyl, triazolyl, oxazolyl, thiazolyl, pyridinyl, pyridazinyl and pyrimidinyl.

Preferred aromatic 9- or 10-membered bicyclic heterocycles comprising an aromatic 5- or 6-membered monocyclic heterocycle fused to an aryl (phenyl) include indolyl, benzimadozolyl, indazolyl, benzofuranyl, benzothiophenyl, benzothiazolyl (e.g. 1,2-benzothiazolyl, 1,3-benzothiazolyl), benzoxazolyl (e.g. 1,2-benzoxazolyl 1,3-benzoxazolyl) and quinolinyl.

Preferred aromatic 9- or 10-membered bicyclic heterocycles comprising two fused 5- or 6-membered monocyclic aromatic heterocycles include furo[3,2-b]pyridinyl, thieno[3,2-b]thiophenyl and thieno[2,3-d]thiazolyl.

When Q is an aromatic 5- to 14-membered heterocycle, Q is more preferably an aromatic 5- or 6-membered monocyclic heterocycle, even more preferably Q is thienyl, pyridi-

nyl or indolyl, more specifically Q is pyridin-2-yl, pyridin-3-yl, thien-3-yl, indol-5-yl or indol-6-yl.

In some embodiments, Q is selected from the group consisting of aromatic C_6-C_{14}-carbocycle, non-aromatic C_7-C_{12} bicyclic system comprising an aryl fused to a C_3-C_8-cycloalkyl, non-aromatic C_7-C_{12} bicyclic system comprising an aryl fused to a C_3-C_8-cycloalkenyl, non-aromatic 6- to 14-membered bicyclic heterocycle comprising a 4- to 6-membered monocyclic non-aromatic heterocycle fused to an aryl, non-aromatic 6- to 14-membered bicyclic heterocycle comprising a 5- or 6-membered monocyclic heteroaryl fused to a monocyclic C_3-C_8-cycloalkyl, aromatic 5- or 6-membered monocyclic heterocycle, aromatic 9- or 10-membered bicyclic heterocycle comprising an aromatic 5- or 6-membered monocyclic heterocycle fused to an aryl and 9- or 10-membered aromatic bicyclic heterocycle comprising two fused aromatic 5- or 6-membered monocyclic heterocycles.

In a preferred embodiment, Q is selected from the group consisting of aromatic C_6-C_{14}-carbocycle, non-aromatic C_7-C_{12} bicyclic system comprising an aryl fused to a C_3-C_8-cycloalkyl, non-aromatic C_7-C_{12} bicyclic system comprising an aryl fused to a C_3-C_8-cycloalkenyl, non-aromatic 6- to 14-membered bicyclic heterocycle comprising a 4- to 6-membered monocyclic non-aromatic heterocycle fused to an aryl, non-aromatic 6- to 14-membered bicyclic heterocycle comprising a 5- or 6-membered monocyclic heteroaryl fused to a monocyclic C_3-C_8-cycloalkyl, aromatic 5- or 6-membered monocyclic heterocycle, aromatic 9- or 10-membered bicyclic heterocycle comprising an aromatic 5- or 6-membered monocyclic heterocycle fused to an aryl and 9- or 10-membered aromatic bicyclic heterocycle comprising two fused aromatic 5- or 6-membered monocyclic heterocycles.

In some embodiments, Q is selected from the group consisting of phenyl, naphthyl, bicyclo[4.2.0]octa-1(6),2,4-trienyl, benzodioxolyl, 2,3-dihydrobenzofuranyl, pyridinyl, thienyl and indolyl, preferably Q is phenyl, naphth-2-yl, 3-bicyclo[4.2.0]octa-1(6),2,4-trienyl, 1,3-benzodioxol-5-yl, 2,3-dihydrobenzofuran-5-yl, pyridin-2-yl, pyridin-3-yl, thien-3-yl, indol-5-yl or indol-6-yl.

In a more preferred embodiment, Q is selected from the group consisting of phenyl, naphthyl, bicyclo[4.2.0]octa-1(6),2,4-trienyl, benzodioxolyl, 2,3-dihydrobenzofuranyl, pyridinyl, thienyl and indolyl.

In a even more preferred embodiment Q is selected from the group consisting of phenyl, naphth-2-yl, 3-bicyclo[4.2.0]octa-1(6),2,4-trienyl, 1,3-benzodioxol-5-yl, 2,3-dihydrobenzofuran-5-yl, pyridin-2-yl, pyridin-3-yl, thien-3-yl, indol-5-yl or indol-6-yl.

Q groups as disclosed herein may be substituted with one or more Q^S substituents that may be the same or different as disclosed herein above or as disclosed herein below.

In some embodiments, Q is substituted with one or more Q^S substituents as disclosed herein above or as disclosed herein below that may be the same or different.

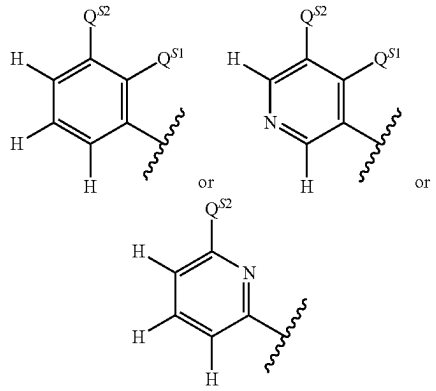
Q^S substituents are preferably selected from the group consisting of halogen (e.g. fluorine, chlorine, bromine, iodine), cyano, nitro, hydroxyl, C_1-C_6-alkyl (e.g. methyl, ethyl), C_1-C_6-haloalkyl (e.g. trifluoromethyl, difluoromethyl), C_1-C_6-alkylcarbonyl (e.g. methylcarbonyl), C_1-C_6-alkoxy (e.g. methoxy), C_1-C_6-haloalkoxy (e.g. difluoromethoxy, trifluoromethoxy), C_1-C_6-alkoxy-C_1-C_6-alkyl (e.g. methoxymethyl), C_2-C_6-alkenyl (e.g. vinyl), C_2-C_6-alkynyl (e.g. ethynyl), C_1-C_6-alkylsulfanyl (e.g. methylsulfanyl), C_1-C_6-haloalkylsulfanyl (e.g. trifluoromethylsulfanyl), C_3-C_8-cycloalkyl (e.g. cyclopropyl, cyclobutyl), non-aromatic 3- to 7-membered monocyclic heterocycle (e.g. oxiranyl, oxetanyl) and —$N(R^k)_2$ with R^k being hydrogen.

Aliphatic Q^S substituents may be substituted as disclosed herein.

Cyclic Q^S substituents may be substituted as disclosed herein or preferably with one or more halogen atom (e.g. fluorine).

Non-limiting examples of suitable Q include any of the Q groups listed in column "Q" of Table 1.

In some embodiments, Q is

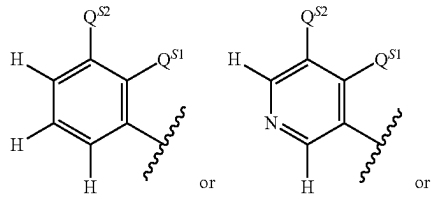


wherein

Q^{s1} is hydrogen or halogen (preferably fluorine),

Q^{s2} is hydrogen or Q^s, wherein Q^s is as described herein above, preferably Q^{S2} is selected from the group consisting of hydrogen, halogen (e.g. fluorine, chlorine, bromine, iodine), cyano, nitro, hydroxyl, amino, C_1-C_6-alkyl (e.g. methyl, ethyl), C_1-C_6-haloalkyl (e.g. trifluoromethyl, difluoromethyl), C_1-C_6-alkylcarbonyl (e.g. methylcarbonyl), C_1-C_6-alkoxy (e.g. methoxy), C_1-C_6-haloalkoxy (e.g. difluoromethoxy, trifluoromethoxy), C_1-C_6-alkoxy-C_1-C_6-alkyl (e.g. methoxymethyl), C_2-C_6-alkenyl (e.g. vinyl), C_2-C_6-alkynyl (e.g. ethynyl), C_1-C_6-alkylsulfanyl (e.g. methylsulfanyl), C_1-C_6-haloalkylsulfanyl (e.g. trifluoromethylsulfanyl), C_3-C_8-cycloalkyl (e.g. cyclopropyl, cyclobutyl) that may be substituted with one or more halogen atoms and non-aromatic 3- to 7-membered monocyclic heterocycle (e.g. oxiranyl, oxetanyl) that may be substituted with one or more halogen atoms, more preferably Q^{S2} is selected from the group consisting of fluorine, chlorine, bromine, iodine, cyano, nitro, hydroxyl, amino, methyl, trifluoromethyl, difluoromethyl, methoxy, difluoromethoxy, trifluoromethoxy, vinyl, ethynyl, methylsulfanyl, trifluoromethylsulfanyl, cyclopropyl that may be substituted with one or more halogen atoms, oxiranyl and oxetanyl that may be substituted with one or more halogen atoms, preferably at least one of Q^{s1} and Q^{s2} is different from hydrogen.

In a even more preferred embodiment, Q is



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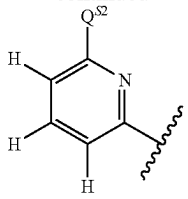


wherein

Q^{s1} is hydrogen or halogen,

Q^{s2} is hydrogen or Q^s, wherein Q^s is selected from the group consisting of hydrogen, halogen, cyano, nitro, hydroxyl, amino, C_1-C_4-alkyl, C_1-C_4-haloalkyl, C_1-C_4-alkylcarbonyl, C_1-C_4-alkoxy, C_1-C_4-haloalkoxy, C_1-C_4-alkoxy-C_1-C_4-alkyl, C_2-C_4-alkenyl, C_2-C_4-alkynyl, C_1-C_4-alkylsulfanyl, C_1-C_4-haloalkylsulfanyl, C_3-C_6-cycloalkyl that may be substituted with one or two halogen atoms and non-aromatic 3- to 6-membered monocyclic heterocycle that may be substituted with one or two halogen atoms, with the proviso that at least one of Q^{s1} and Q^{s2} is different from hydrogen.

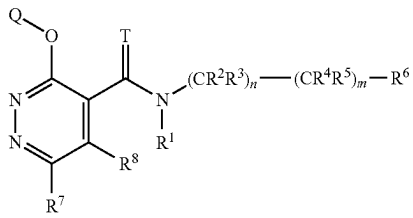
Most preferably Q^{S2} is selected from the group consisting of fluorine, chlorine, bromine, iodine, cyano, nitro, hydroxyl, amino, methyl, trifluoromethyl, difluoromethyl, methoxy, difluoromethoxy, trifluoromethoxy, vinyl, ethynyl, methylsulfanyl, trifluoromethylsulfanyl, cyclopropyl that may be substituted with one or two halogen atoms, oxiranyl and oxetanyl that may be substituted with one or two halogen atoms.

The above specified definitions of R^1, R^2, R^3, R^4, R^5, R^6, R^7, R^8 and Q (broad definitions as well as preferred, more preferred, even more preferred definitions) can be combined in various manners.

These combinations of definitions thus provide subclasses of compounds according to the invention, such as for instance the ones disclosed below.

In some embodiments (referred herein as embodiment 2), compounds according to the present invention are compounds of the formula (I):

(I)



wherein

T is O or S;

n is 0 or 1;

m is 0 or 1;

provided m is 1 when n is 1;

R^1 is selected from the group consisting of hydrogen, hydroxyl, cyano, C_1-C_6-alkyl, C_1-C_6-alkoxy, C_1-C_6-alkoxy-C_1-C_6-alkyl, —C(=O)R^{a1}, —C(=O)(OR^{a1}), —S(=O)R^{a1}, —S(=O)$_2$$R^{a1}$, —C(=O)N($R^{a2}$)$_2$ and S(=O)$_2$N(R^{a2})$_2$ with R^{a1} being selected from the group consisting of C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_3-C_8-cycloalkyl and C_2-C_6-alkenyl and R^{a2} being selected from the group consisting of hydrogen, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_3-C_8-cycloalkyl and C_2-C_6-alkenyl;

R^2 and R^3 are independently selected from the group consisting of hydrogen, halogen, cyano, hydroxyl, carboxyl, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_1-C_6-alkoxycarbonyl and C_3-C_8-cycloalkyl, or R^2 and R^3 form, together with the carbon atom to which they are attached to, a C_3-C_8-cycloalkyl or a non-aromatic 3- to 7-membered monocyclic heterocycle;

R^4 and R^5 are independently selected from the group consisting of hydrogen, halogen, cyano, hydroxyl, carboxyl, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_1-C_6-alkoxycarbonyl and C_3-C_8-cycloalkyl, or R^4 and R^5 form, together with the carbon atom to which they are attached to, a C_3-C_8-cycloalkyl or a non-aromatic 3- to 7-membered monocyclic heterocycle; or

R^2 and R^4 form, together with the carbon atom to which they are attached to, a C_3-C_8-cycloalkyl or a non-aromatic 3- to 7-membered monocyclic heterocycle, and R^3 and R^5 are independently hydrogen or a halogen atom; or

R^2 and R^4 form, together a covalent bond and R^3 and R^5 are independently hydrogen or C_1-C_6-alkyl;

R^6 is selected from the group consisting of non-aromatic C_3-C_{12}-carbocycle (preferably C_7-C_{12} bicyclic system, more preferably C_7-C_{12} bicyclic system comprising an aryl fused to a C_3-C_8-cycloalkyl, C_7-C_{12} bicyclic system comprising an aryl fused to a C_3-C_8-cycloalkenyl or C_9-C_{12} tricyclic system comprising a cyclopropyl connected through one common atom to a bicyclic system comprising an aryl fused to either a C_3-C_8-cycloalkyl or a C_3-C_8-cycloalkenyl), aromatic C_6-C_{14}-carbocycle (preferably phenyl or naphthyl), non-aromatic 3- to 14-membered heterocycle (preferably non-aromatic 6- to 14-membered polycyclic heterocycle, more preferably non-aromatic bicyclic heterocycle comprising a 4- to 6-membered monocyclic non-aromatic heterocycle fused to an aryl, non-aromatic bicyclic heterocycle comprising a 5- or 6-membered monocyclic heteroaryl fused to a monocyclic C_3-C_8-cycloalkyl, non-aromatic bicyclic heterocycle comprising a 5- or 6-membered monocyclic heteroaryl fused to a 3- to 7-membered monocyclic non-aromatic heterocycle, non-aromatic tricyclic heterocycle comprising a cyclopropyl connected through one common atom to a non-aromatic bicyclic heterocycle, said heterocycle comprising a 4- to 6-membered monocyclic non-aromatic heterocycle fused to an aryl, or non-aromatic tricyclic heterocycle comprising a cyclopropyl connected through one common atom to a non-aromatic bicyclic heterocycle comprising a 5- or 6-membered monocyclic heteroaryl fused to a monocyclic C_3-C_8-cycloalkyl), aromatic 5- to 14-membered heterocycle (preferably 5- or 6-membered monocyclic aromatic heterocycle, 9- or 10-membered aromatic bicyclic heterocycle comprising a 5- or 6-membered monocyclic aromatic heterocycle fused to an aryl or 9- or 10-membered aromatic bicyclic heterocycle comprising two fused 5- or 6-membered monocyclic aromatic heterocycles), aromatic C_6-C_{14}-carbocyclyloxy, C_1-C_3-alkoxy substituted by an aromatic C_6-C_{14}-carbocycle and C_1-C_3-haloalkoxy substituted by an aromatic C_6-C_{14}-carbocycle, preferably R^6 is selected from the group consisting of indanyl, 1,2,3,4-tetrahydronaphthalenyl, spiro[cyclopropane-1,2'-indane]-1-yl, phenyl, naphthyl, 2,3-dihydrobenzofuranyl, indolinyl,

1,3-benzodioxolyl, chromanyl, isochromanyl, thiochromanyl, 2,3-dihydro-1,4-benzodioxinyl, 5,6,7,8-tetrahydroquinolinyl, 4,5,6,7-tetrahydrobenzothiophenyl, furanyl, thienyl, pyridinyl, pyrimidinyl, indolyl, benzofuranyl, benzoxazolyl, quinolinyl, isoquinolinyl, imidazo[1,2-a]pyridinyl, phenoxy, benzyloxy and —OCF_2-phenyl, wherein cyclic, or cyclic moiety of, R^6 substituents may be substituted with one or more R^{6S} substituents that may be the same or different, R^{6S} being as disclosed herein (including preferred and more preferred R^{6S});

R^7 is selected from the group consisting of hydrogen, halogen, cyano, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-hydroxyalkyl, C_1-C_6-alkylcarbonyl, C_1-C_6-alkoxy, C_2-C_6-alkenyl, C_2-C_6-alkynyl, C_1-C_6-alkylsulfanyl, C_1-C_6-alkylsulfinyl, C_3-C_8-cycloalkyl, aromatic 5- or 6-membered monocyclic heterocycle, non-aromatic 3- to 7-membered monocyclic heterocycle, —$N(R^e)_2$, —$C(=NR^f)R^f$ and —$C(=O)N(R^g)_2$,

with R^e being as disclosed above, preferably R^e being independently selected from the group consisting of hydrogen, C_1-C_6-alkyl and C_3-C_8-cycloalkyl (e.g. cyclopropyl),

with R^f being as disclosed above, preferably R^f being independently selected from the group consisting of hydroxyl, amino, C_1-C_6-alkyl and C_1-C_6-alkoxy,

with R^g being as disclosed above, preferably R^g being independently selected from the group consisting of hydrogen, C_1-C_6-alkyl and C_3-C_8-cycloalkyl,

preferably R^7 is selected from the group consisting of hydrogen, halogen, cyano, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-hydroxyalkyl, C_1-C_6-alkylcarbonyl, C_1-C_6-alkoxy, C_2-C_6-alkenyl, C_2-C_6-alkynyl, C_1-C_6-alkylsulfanyl, C_1-C_6-alkylsulfinyl, cyclopropyl, pyridinyl, imidazolyl, pyrazolyl, oxetanyl, tetrahydrofuranyl, tetrahydropyranyl, pyrrolidinyl, azetidinyl, dimethylamino, cyclopropylamino, cyclopropylaminocarbonyl 1-hydrazinylideneethyl, 1-(methoxyimino) ethyl and 1-hydroxyiminoethyl, wherein aliphatic R^7, R^e, R^f and R^g substituents may be substituted with one or more R^{7Sa} substituents that may be the same or different, R^{7Sa} being as disclosed herein (including preferred R^{7Sa}), wherein cyclic or cyclic moiety of R^7, cyclic R^e and cyclic R^g substituents may be substituted with one or more R^{7Sc} substituents that may be the same or different, R^{7Sc} being as disclosed herein (including preferred R^{7Sc});

R^8 is selected from the group consisting of hydrogen, halogen, hydroxyl, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_2-C_6-alkenyl, C_2-C_6-alkenyloxy, C_2-C_6-haloalkenyloxy, C_1-C_6-alkylsulfanyl, C_1-C_6-haloalkylsulfanyl, C_1-C_6-alkylsulfinyl, C_1-C_6-alkylsulfonyl, C_3-C_8-cycloalkyl, aromatic C_6-C_{14}-carbocycle, non-aromatic 3- to 14-membered heterocycle (preferably non-aromatic 3- to 7-membered monocyclic heterocycle), aromatic 5- to 14-membered heterocycle (preferably 5- or 6-membered aromatic monocyclic heterocycle), C_3-C_8-cycloalkyloxy, non-aromatic 3- to 14-membered heterocyclyloxy (preferably non-aromatic 3- to 7-membered monocyclic heterocyclyloxy) and —$N(R^h)_2$, with R^h being as disclosed above, preferably R^h being independently selected from the group consisting of hydrogen, C_1-C_6-alkyl, C_2-C_6-alkenyl, C_3-C_8-cycloalkyl (e.g. cyclopropyl, cyclohexyl), aromatic C_6-C_{14}-carbocycle (e.g. phenyl) and non-aromatic 3- to 7-membered monocyclic heterocycle (e.g. oxetanyl),

preferably R^8 is selected from the group consisting of hydrogen, halogen, hydroxyl, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_2-C_6-alkenyl, C_2-C_6-alkenyloxy, C_2-C_6-haloalkenyloxy, C_1-C_6-alkylsulfanyl, C_1-C_6-haloalkylsulfanyl, C_1-C_6-alkylsulfinyl, C_1-C_6-alkylsulfonyl, cyclopropyl, phenyl, oxetanyl, azetidinyl, pyrrolidinyl, tetrahydropyranyl, morpholinyl, pyrazolyl, imidazolyl, thiazolyl, pyridinyl, cyclopropyloxy, oxetanyloxy, azetidinyloxy and —$N(R^h)_2$ with R^h being preferably independently selected from the group consisting of hydrogen, C_1-C_6-alkyl, C_2-C_6-alkenyl, C_3-C_8-cycloalkyl (e.g. cyclopropyl, cyclohexyl), aromatic C_6-C_{14}-carbocycle (e.g. phenyl) and non-aromatic 3- to 7-membered monocyclic heterocycle (e.g. oxetanyl),

wherein aliphatic R^8 and R^h substituents may be substituted with one or more R^{8Sa} substituents that may be the same or different, R^{8Sa} being as disclosed herein (including preferred R^{8Sa}),

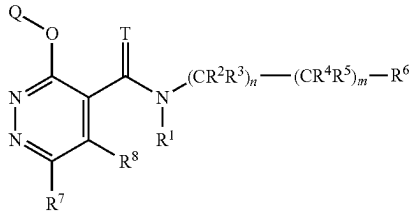
wherein cyclic or cyclic moiety of R^8 and cyclic R^h substituents may be substituted with one or more R^{8Sc} substituents that may be the same or different, R^{8Sc} being as disclosed herein (including preferred R^{8Sc});

Q is selected from the group consisting of aromatic C_6-C_{14}-carbocycle, non aromatic C_7-C_{12} bicyclic system comprising an aryl fused to a C_3-C_8-cycloalkyl, non aromatic C_7-C_{12} bicyclic system comprising an aryl fused to a C_3-C_8-cycloalkenyl, 6- to 14-membered non-aromatic bicyclic heterocycle comprising a 4- to 6-membered monocyclic non-aromatic heterocycle fused to an aryl, 6- to 14-membered non-aromatic bicyclic heterocycle comprising a 5- or 6-membered monocyclic heteroaryl fused to a monocyclic C_3-C_8-cycloalkyl, aromatic 5- or 6-membered monocyclic heterocycle, 9- or 10-membered aromatic bicyclic heterocycle comprising a 5- or 6-membered monocyclic aromatic heterocycle fused to an aryl (phenyl), 9- or 10-membered aromatic bicyclic heterocycle comprising two fused 5- or 6-membered monocyclic aromatic heterocycles, preferably Q is selected from the group consisting of aromatic C_6-C_{14}-carbocycle, C_7-C_{12} bicyclic system comprising an aryl fused to a C_3-C_8-cycloalkyl, 6- to 14-membered non-aromatic bicyclic heterocycle comprising a 4- to 6-membered monocyclic non-aromatic heterocycle fused to an aryl and aromatic 5- or 6-membered monocyclic heterocycle, more preferably Q is selected from the group consisting of phenyl, naphthyl, 3-bicyclo[4.2.0]octa-1(6),2,4-trienyl, 1,3-benzodioxolyl, 2,3-dihydrobenzofuranyl, pyridinyl, thienyl and indolyl,

wherein each Q group may be substituted with one or more Q^S substituents that may be the same or different, Q^S being as described herein (including preferred Q^S).

In some embodiments (referred herein as embodiment 3), compounds according to the present invention are compounds of the formula (I):

(I)



wherein

T is O or S;

n is 0 or 1;

m is 0 or 1;

provided m is 1 when n is 1;

R^1 is selected from the group consisting of hydrogen, hydroxyl, cyano, C_1-C_6-alkyl, C_1-C_6-alkoxy, C_1-C_6-alkoxy-C_1-C_6-alkyl, —C(=O)R^{a1}, —C(=O)(OR^{a1}), —S(=O)R^{a1}, —S(=O)$_2R^{a1}$, —C(=O)N(R^{a2})$_2$ and S(=O)$_2$N(R^{a2})$_2$ with R^{a1} being selected from the group consisting of C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_3-C_8-cycloalkyl and C_2-C_6-alkenyl and R^{a2} being selected from the group consisting of hydrogen, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_3-C_8-cycloalkyl and C_2-C_6-alkenyl;

R^2 and R^3 are independently selected from the group consisting of hydrogen, halogen, cyano, hydroxyl, carboxyl, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_1-C_6-alkoxycarbonyl and C_3-C_8-cycloalkyl, or R^2 and R^3 form, together with the carbon atom to which they are attached to, a C_3-C_8-cycloalkyl or a non-aromatic 3- to 7-membered monocyclic heterocycle;

R^4 and R^5 are independently selected from the group consisting of hydrogen, halogen, cyano, hydroxyl, carboxyl, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_1-C_6-alkoxycarbonyl and C_3-C_8-cycloalkyl, or R^4 and R^5 form, together with the carbon atom to which they are attached to, a C_3-C_8-cycloalkyl or a non-aromatic 3- to 7-membered monocyclic heterocycle; or

R^2 and R^4 form, together with the carbon atom to which they are attached to, a C_3-C_8-cycloalkyl or a non-aromatic 3- to 7-membered monocyclic heterocycle, and R^3 and R^5 are independently hydrogen or a halogen atom; or

R^2 and R^4 form, together a covalent bond and R^3 and R^5 are independently hydrogen or C_1-C_6-alkyl;

R^6 is selected from the group consisting of non-aromatic C_3-C_{12}-carbocycle (preferably C_7-C_{12} bicyclic system, more preferably C_7-C_{12} bicyclic system comprising an aryl fused to a C_3-C_8-cycloalkyl, C_7-C_{12} bicyclic system comprising an aryl fused to a C_3-C_8-cycloalkenyl or C_9-C_{12} tricyclic system comprising a cyclopropyl connected through one common atom to a bicyclic system comprising an aryl fused to either a C_3-C_8-cycloalkyl or a C_3-C_8-cycloalkenyl), aromatic C_6-C_{14}-carbocycle (preferably phenyl or naphthyl), non-aromatic 3- to 14-membered heterocycle (preferably non-aromatic 6- to 14-membered polycyclic heterocycle, more preferably non-aromatic bicyclic heterocycle comprising a 4- to 6-membered monocyclic non-aromatic heterocycle fused to an aryl, non-aromatic bicyclic heterocycle comprising a 5- or 6-membered monocyclic heteroaryl fused to a monocyclic C_3-C_8-cycloalkyl, non-aromatic bicyclic heterocycle comprising a 5- or 6-membered monocyclic heteroaryl fused to a 3- to 7-membered monocyclic non-aromatic heterocycle, non-aromatic tricyclic heterocycle comprising a cyclopropyl connected through one common atom to a non-aromatic bicyclic heterocycle, said heterocycle comprising a 4- to 6-membered monocyclic non-aromatic heterocycle fused to an aryl, or non-aromatic tricyclic heterocycle comprising a cyclopropyl connected through one common atom to a non-aromatic bicyclic heterocycle comprising a 5- or 6-membered monocyclic heteroaryl fused to a monocyclic C_3-C_8-cycloalkyl), aromatic 5- to 14-membered heterocycle (preferably 5- or 6-membered monocyclic aromatic heterocycle, 9- or 10-membered aromatic bicyclic heterocycle comprising a 5- or 6-membered monocyclic aromatic heterocycle fused to an aryl or 9- or 10-membered aromatic bicyclic heterocycle comprising two fused 5- or 6-membered monocyclic aromatic heterocycles), aromatic C_6-C_{14}-carbocyclyloxy, C_1-C_3-alkoxy substituted by an aromatic C_6-C_{14}-carbocycle and C_1-C_3-haloalkoxy substituted by an aromatic C_6-C_{14}-carbocycle, preferably R^6 is selected from the group consisting of indanyl, 1,2,3,4-tetrahydronaphthalenyl, spiro[cyclopropane-1,2'-indane]-1-yl, phenyl, naphthyl, 2,3-dihydrobenzofuranyl, indolinyl, 1,3-benzodioxolyl, chromanyl, isochromanyl, thiochromanyl, 2,3-dihydro-1,4-benzodioxinyl, 5,6,7,8-tetrahydroquinolinyl, 4,5,6,7-tetrahydrobenzothiophenyl, furanyl, thienyl, pyridinyl, pyrimidinyl, indolyl, benzofuranyl, benzoxazolyl, quinolinyl, isoquinolinyl, imidazo[1,2-a]pyridinyl, phenoxy, benzyloxy and —OCF$_2$-phenyl,

wherein cyclic, or cyclic moiety of, R^6 substituents may be substituted with one or more R^{6S} substituents that may be the same or different, R^{6S} being as disclosed herein (including preferred and more preferred R^{6S});

R^7 is selected from the group consisting of hydrogen, halogen, cyano, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-hydroxyalkyl, C_1-C_6-alkylcarbonyl, C_1-C_6-alkoxy, C_2-C_6-alkenyl, C_2-C_6-alkynyl, C_1-C_6-alkylsulfanyl, C_1-C_6-alkylsulfinyl, C_3-C_8-cycloalkyl, aromatic 5- or 6-membered monocyclic heterocycle, non-aromatic 3- to 7-membered monocyclic heterocycle, —N(R^e)$_2$, —C(=NR^f)R^f and —C(=O)N(R^g)$_2$,

with R^e being as disclosed above, preferably R^e being independently selected from the group consisting of hydrogen, C_1-C_6-alkyl and C_3-C_8-cycloalkyl (e.g. cyclopropyl),

with R^f being as disclosed above, preferably R^f being independently selected from the group consisting of hydroxyl, amino, C_1-C_6-alkyl and C_1-C_6-alkoxy,

with R^g being as disclosed above, preferably R^g being independently selected from the group consisting of hydrogen, C_1-C_6-alkyl and C_3-C_8-cycloalkyl,

preferably R^7 is selected from the group consisting of hydrogen, halogen, cyano, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-hydroxyalkyl, C_1-C_6-alkylcarbonyl, C_1-C_6-alkoxy, C_2-C_6-alkenyl, C_2-C_6-alkynyl, C_1-C_6-alkylsulfanyl, C_1-C_6-alkylsulfinyl, cyclopropyl, pyridinyl, imidazolyl, pyrazolyl, oxetanyl, tetrahydrofuranyl, tetrahydropyranyl, pyrrolidinyl, azetidinyl, dimethylamino, cyclopropylamino, cyclopropylaminocarbonyl, 1-hydrazinylideneethyl, 1-(methoxyimino)ethyl and 1-hydroxyiminoethyl, wherein aliphatic R^7, R^e, R^f and R^g substituents may be substituted with one or more R^{7Sa} substituents that may be the same or different, R^{7Sa} being as disclosed herein (including preferred R^{7Sa}), wherein cyclic or cyclic moiety of R^7, cyclic R^e and cyclic R^g substituents may be substituted with one or more R^{7Sc} substituents that may be the same or different, R^{7Sc} being as disclosed herein (including preferred R^{7Sc});

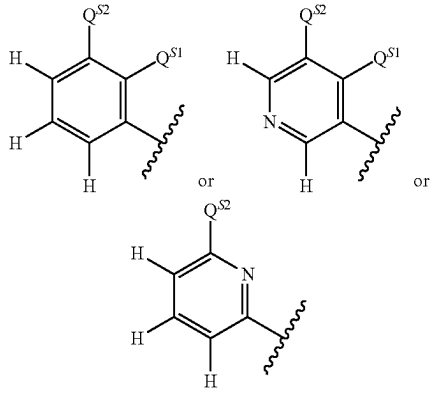
R^8 is selected from the group consisting of hydrogen, halogen, hydroxyl, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_2-C_6-alkenyl, C_2-C_6-alkenyloxy, C_2-C_6-haloalkenyloxy, C_1-C_6-alkylsulfanyl, C_1-C_6-haloalkylsulfanyl, C_1-C_6-alkylsulfinyl, C_1-C_6-alkylsulfonyl, C_3-C_8-cycloalkyl, aromatic C_6-C_{14}-carbocycle, non-aromatic 3- to 14-membered heterocycle (preferably non-aromatic 3- to 7-membered monocyclic heterocycle), aromatic 5- to 14-membered heterocycle (preferably 5- or 6-membered aromatic monocyclic heterocycle), C_3-C_8-cycloalkyloxy, non-aromatic 3- to 14-membered heterocyclyloxy (preferably non-aro-

matic 3- to 7-membered monocyclic heterocyclyloxy) and —$N(R^h)_2$, with R^h being as disclosed above, preferably R^h being independently selected from the group consisting of hydrogen, C_1-C_6-alkyl, C_2-C_6-alkenyl, C_3-C_8-cycloalkyl (e.g. cyclopropyl, cyclohexyl), aromatic C_6-C_{14}-carbocycle (e.g. phenyl) and non-aromatic 3- to 7-membered monocyclic heterocycle (e.g. oxetanyl),

preferably R^8 is selected from the group consisting of hydrogen, halogen, hydroxyl, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_2-C_6-alkenyl, C_2-C_6-alkenyloxy, C_2-C_6-haloalkenyloxy, C_1-C_6-alkylsulfanyl, C_1-C_6-haloalkylsulfanyl, C_1-C_6-alkylsulfinyl, C_1-C_6-alkylsulfonyl, cyclopropyl, phenyl, oxetanyl, azetidinyl, pyrrolidinyl, tetrahydropyranyl, morpholinyl, pyrazolyl, imidazolyl, thiazolyl, pyridinyl, cyclopropyloxy, oxetanyloxy, azetidinyloxy and —$N(R^h)_2$ with R^h being preferably independently selected from the group consisting of hydrogen, C_1-C_6-alkyl, C_2-C_6-alkenyl, C_3-C_8-cycloalkyl (e.g. cyclopropyl, cyclohexyl), aromatic C_6-C_{14}-carbocycle (e.g. phenyl) and non-aromatic 3- to 7-membered monocyclic heterocycle (e.g. oxetanyl),

wherein aliphatic R^8 and R^h substituents may be substituted with one or more R^{8Sa} substituents that may be the same or different, R^{8Sa} being as disclosed herein (including preferred R^{8Sa}), wherein cyclic or cyclic moiety of R^8 and cyclic R^h substituents may be substituted with one or more R^{8Sc} substituents that may be the same or different, R^{8Sc} being as disclosed herein (including preferred R^{8Sc});

Q is

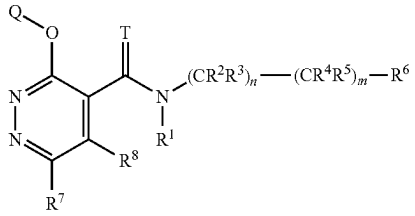


wherein

Q^{s1} is hydrogen or halogen (preferably fluorine),

Q^{s2} is hydrogen or Q^s, wherein Q^s is as described herein above, preferably Q^{S2} is selected from the group consisting of hydrogen, halogen (e.g. fluorine, chlorine, bromine, iodine), cyano, nitro, hydroxyl, amino, C_1-C_6-alkyl (e.g. methyl, ethyl), C_1-C_6-haloalkyl (e.g. trifluoromethyl, difluoromethyl), C_1-C_6-alkylcarbonyl (e.g. methylcarbonyl), C_1-C_6-alkoxy (e.g. methoxy), C_1-C_6-haloalkoxy (e.g. difluoromethoxy, trifluoromethoxy), C_1-C_6-alkoxy-C_1-C_6-alkyl (e.g. methoxymethyl), C_2-C_6-alkenyl (e.g. vinyl), C_2-C_6-alkynyl (e.g. ethynyl), C_1-C_6-alkylsulfanyl (e.g. methylsulfanyl), C_1-C_6-haloalkylsulfanyl (e.g. trifluoromethylsulfanyl), C_3-C_8-cycloalkyl (e.g. cyclopropyl, cyclobutyl) that may be substituted with one or more halogen atoms and non-aromatic 3- to 7-membered monocyclic heterocycle (e.g. oxetanyl) that may be substituted with one or more halogen atoms, more preferably Q^{S2} is selected from the group consisting of fluorine, chlorine, bromine, iodine, cyano, nitro, hydroxyl, amino, methyl, trifluoromethyl, difluoromethyl, methoxy, trifluoromethoxy, vinyl, ethynyl, methylsulfanyl, trifluoromethylsulfanyl, cyclopropyl that may be substituted with one or more halogen atoms and oxetanyl that may be substituted with one or more halogen atoms, preferably at least one of Q^{s1} and Q^{s2} is different from hydrogen.

In some embodiments (referred herein as embodiment 4), compounds according to the present invention are compounds of the formula (I):



(I)

wherein

T is O or S;

n is 0 or 1;

m is 0 or 1;

provided m is 1 when n is 1;

R^1 is selected from the group consisting of hydrogen, hydroxyl, cyano, C_1-C_6-alkyl, C_1-C_6-alkoxy, C_1-C_6-alkoxy-C_1-C_6-alkyl, —C(=O)R^{a1}, —C(=O)(OR^{a1}), —S(=O)R^{a1}, —S(=O)$_2R^{a1}$, —C(=O)N$(R^{a2})_2$ and S(=O)$_2$N$(R^{a2})_2$ with R^{a1} being selected from the group consisting of C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_3-C_8-cycloalkyl and C_2-C_6-alkenyl and R^{a2} being selected from the group consisting of hydrogen, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_3-C_8-cycloalkyl and C_2-C_6-alkenyl;

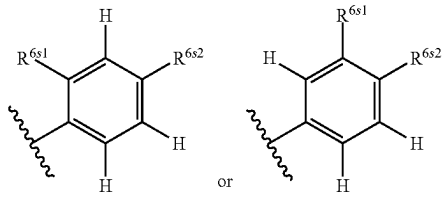
R^2 and R^3 are independently selected from the group consisting of hydrogen, halogen, cyano, hydroxyl, carboxyl, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_1-C_6-alkoxycarbonyl and C_3-C_8-cycloalkyl, or R^2 and R^3 form, together with the carbon atom to which they are attached to, a C_3-C_8-cycloalkyl or a non-aromatic 3- to 7-membered monocyclic heterocycle;

R^4 and R^5 are independently selected from the group consisting of hydrogen, halogen, cyano, hydroxyl, carboxyl, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_1-C_6-alkoxycarbonyl and C_3-C_8-cycloalkyl, or R^4 and R^5 form, together with the carbon atom to which they are attached to, a C_3-C_8-cycloalkyl or a non-aromatic 3- to 7-membered monocyclic heterocycle; or

R^2 and R^4 form, together with the carbon atom to which they are attached to, a C_3-C_8-cycloalkyl or a non-aromatic 3- to 7-membered monocyclic heterocycle, and R^3 and R^5 are independently hydrogen or a halogen atom; or

R^2 and R^4 form, together a covalent bond and R^3 and R^5 are independently hydrogen or C_1-C_6-alkyl;

R^6 is



wherein

R^{6s1} is hydrogen or R^{6s},

R^{6s2} is hydrogen or R^{6s},

R^{6s} being as described herein (including preferred and more preferred R^{6s}), preferably at least one of R^{6s1} and R^{6s2} is different from hydrogen,

R^7 is selected from the group consisting of hydrogen, halogen, cyano, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-hydroxyalkyl, C_1-C_6-alkylcarbonyl, C_1-C_6-alkoxy, C_2-C_6-alkenyl, C_2-C_6-alkynyl, C_1-C_6-alkylsulfanyl, C_1-C_6-alkylsulfinyl, C_3-C_8-cycloalkyl, aromatic 5- or 6-membered monocyclic heterocycle, non-aromatic 3- to 7-membered monocyclic heterocycle, —$N(R^e)_2$, —$C(=NR^f)R^f$ and —$C(=O)N(R^g)_2$,

with R^e being as disclosed above, preferably R^e being independently selected from the group consisting of hydrogen, C_1-C_6-alkyl and C_3-C_8-cycloalkyl (e.g. cyclopropyl),

with R^f being as disclosed above, preferably R^f being independently selected from the group consisting of hydroxyl, amino, C_1-C_6-alkyl and C_1-C_6-alkoxy,

with R^g being as disclosed above, preferably R^g being independently selected from the group consisting of hydrogen, C_1-C_6-alkyl and C_3-C_8-cycloalkyl,

preferably R^7 is selected from the group consisting of hydrogen, halogen, cyano, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-hydroxyalkyl, C_1-C_6-alkylcarbonyl, C_1-C_6-alkoxy, C_2-C_6-alkenyl, C_2-C_6-alkynyl, C_1-C_6-alkylsulfanyl, C_1-C_6-alkylsulfinyl, cyclopropyl, pyridinyl, imidazolyl, pyrazolyl, oxetanyl, tetrahydrofuranyl, tetrahydropyranyl, pyrrolidinyl, azetidinyl, dimethylamino, cyclopropylamino, cyclopropylaminocarbonyl, 1-hydrazinylideneethyl, 1-(methoxyimino) ethyl and 1-hydroxyiminoethyl, wherein aliphatic R^7, R^e, R^f and R^g substituents may be substituted with one or more R^{7Sa} substituents that may be the same or different, R^{7Sa} being as disclosed herein (including preferred R^{7Sa}),

wherein cyclic or cyclic moiety of R^7, cyclic R^e and cyclic R^g substituents may be substituted with one or more R^{7Sc} substituents that may be the same or different, R^{7Sc} being as disclosed herein (including preferred R^{7Sc});

R^8 is selected from the group consisting of hydrogen, halogen, hydroxyl, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_2-C_6-alkenyl, C_2-C_6-alkenyloxy, C_2-C_6-haloalkenyloxy, C_1-C_6-alkylsulfanyl, C_1-C_6-haloalkylsulfanyl, C_1-C_6-alkylsulfinyl, C_1-C_6-alkylsulfonyl, C_3-C_8-cycloalkyl, aromatic C_6-C_{14}-carbocycle, non-aromatic 3- to 14-membered heterocycle (preferably non-aromatic 3- to 7-membered monocyclic heterocycle), aromatic 5- to 14-membered heterocycle (preferably 5- or 6-membered aromatic monocyclic heterocycle), C_3-C_8-cycloalkyloxy, non-aromatic 3- to 14-membered heterocyclyloxy (preferably non-aromatic 3- to 7-membered monocyclic heterocyclyloxy) and —$N(R^h)_2$,

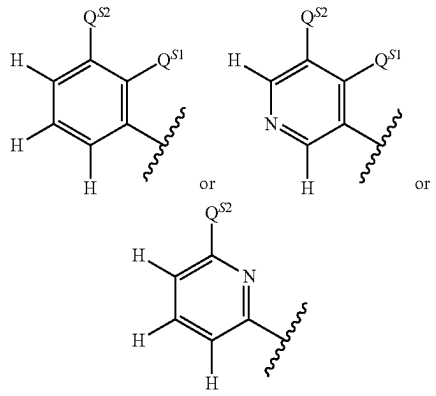
with R^h being as disclosed above, preferably R^h being independently selected from the group consisting of hydrogen, C_1-C_6-alkyl, C_2-C_6-alkenyl, C_3-C_8-cycloalkyl (e.g. cyclopropyl, cyclohexyl), aromatic C_6-C_{14}-carbocycle (e.g. phenyl) and non-aromatic 3- to 7-membered monocyclic heterocycle (e.g. oxetanyl),

preferably R^8 is selected from the group consisting of hydrogen, halogen, hydroxyl, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_2-C_6-alkenyl, C_2-C_6-alkenyloxy, C_2-C_6-haloalkenyloxy, C_1-C_6-alkylsulfanyl, C_1-C_6-haloalkylsulfanyl, C_1-C_6-alkylsulfinyl, C_1-C_6-alkylsulfonyl, cyclopropyl, phenyl, oxetanyl, azetidinyl, pyrrolidinyl, tetrahydropyranyl, morpholinyl, pyrazolyl, imidazolyl, thiazolyl, pyridinyl, cyclopropyloxy, oxetanyloxy, azetidinyloxy and —$N(R^h)_2$ with R^h being preferably independently selected from the group consisting of hydrogen, C_1-C_6-alkyl, C_2-C_6-alkenyl, C_3-C_8-cycloalkyl (e.g. cyclopropyl, cyclohexyl), aromatic C_6-C_{14}-carbocycle (e.g. phenyl) and non-aromatic 3- to 7-membered monocyclic heterocycle (e.g. oxetanyl),

wherein aliphatic R^8 and R^h substituents may be substituted with one or more R^{8Sa} substituents that may be the same or different, R^{8Sa} being as disclosed herein (including preferred R^{8Sa}),

wherein cyclic or cyclic moiety of R^8 and cyclic R^h substituents may be substituted with one or more R^{8Sc} substituents that may be the same or different, R^{8Sc} being as disclosed herein (including preferred R^{8Sc});

Q is



wherein

Q^{s1} is hydrogen or halogen (preferably fluorine),

Q^{s2} is hydrogen or Q^s, wherein Q^s is as described herein above, preferably Q^{S2} is selected from the group consisting of hydrogen, halogen (e.g. fluorine, chlorine, bromine, iodine), cyano, nitro, hydroxyl, amino, C_1-C_6-alkyl (e.g. methyl, ethyl), C_1-C_6-haloalkyl (e.g. trifluoromethyl, difluoromethyl), C_1-C_6-alkylcarbonyl (e.g. methylcarbonyl), C_1-C_6-alkoxy (e.g. methoxy), C_1-C_6-haloalkoxy (e.g. difluoromethoxy, trifluoromethoxy), C_1-C_6-alkoxy-C_1-C_6-alkyl (e.g. methoxymethyl), C_2-C_6-alkenyl (e.g. vinyl), C_2-C_6-alkynyl (e.g. ethynyl), C_1-C_6-alkylsulfanyl (e.g. methylsulfanyl), C_1-C_6-haloalkylsulfanyl (e.g. trifluoromethylsulfanyl), C_3-C_8-cycloalkyl (e.g. cyclopropyl, cyclobutyl) that may be substituted with one or more halogen atoms and non-aromatic 3- to 7-membered monocyclic heterocycle (e.g. oxiranyl, oxetanyl) that may be substituted with one or more halogen atoms, more preferably Q^{S2} is selected from the group consisting of fluorine, chlorine, bromine, iodine, cyano, nitro, hydroxyl, amino, methyl, trifluoromethyl, difluoromethyl, methoxy, difluoromethoxy, trifluoromethoxy, vinyl, ethynyl, methylsulfanyl, trifluoromethylsulfanyl,

cyclopropyl that may be substituted with one or more halogen atoms and oxetanyl that may be substituted with one or more halogen atoms, preferably at least one of Q^{s1} and Q^{s2} is different from hydrogen.

In a preferred embodiment, compounds according to the present invention are compounds of the formula (I), wherein

T is O or S;

n is 0 or 1;

m is 0 or 1;

provided m is 1 when n is 1;

R^1 is selected from the group consisting of hydrogen, hydroxyl, cyano, C_1-C_6-alkyl, C_1-C_6-alkoxy, C_1-C_6-alkoxy-C_1-C_6-alkyl and —C(=O)(OR^{a1}), with R^{a1} being selected from the group consisting of C_1-C_6-alkyl and C_2-C_6-alkenyl,

R^2 and R^3 are independently selected from the group consisting of hydrogen, halogen, cyano, C_1-C_6-alkyl and C_1-C_6-alkoxycarbonyl, or R^2 and R^3 form, together with the carbon atom to which they are attached to, a C_3-C_8-cycloalkyl,

R^4 and R^5 are independently selected from the group consisting of hydrogen, halogen and C_1-C_6-alkyl, or R^4 and R^5 form, together with the carbon atom to which they are attached to, a C_3-C_8-cycloalkyl or a non-aromatic 3- to 7-membered monocyclic heterocycle; or

R^2 and R^4 form, together with the carbon atom to which they are attached to, a C_3-C_8-cycloalkyl, and R^3 and R^5 are independently hydrogen or halogen; or

R^6 is selected from the group consisting of non-aromatic C_3-C_{12}-carbocycle, aromatic C_6-C_{14}-carbocycle, non-aromatic 3- to 14-membered heterocycle, aromatic 5- to 14-membered heterocycle, aromatic C_6-C_{14}-carbocyclyloxy, C_1-C_3-alkoxy substituted by an aromatic C_6-C_{14}-carbocycle, C_1-C_3-haloalkoxy substituted by a non-aromatic C_3-C_{12}-carbocycle, C_1-C_3-haloalkoxy substituted by an aromatic C_6-C_{14}-carbocycle, wherein cyclic, or cyclic moiety of, R^6 substituents may be substituted with one or three R^{6S} substituents that may be the same or different,

R^{6S} is selected from the group consisting of halogen, cyano, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_2-C_6-alkenyl, C_2-C_6-alkynyl, C_1-C_6-haloalkylsulfanyl, C_3-C_8-cycloalkylsulfanyl, C_3-C_8-cycloalkyl, aromatic C_6-C_{14}-carbocycle, aromatic 5- or 6-membered monocyclic heterocycle and non-aromatic 3- to 7-membered monocyclic heterocycle,

wherein cyclic or cyclic moiety of R^{6S} substituents may be substituted with one to three substituents independently selected from the group consisting of halogen, C_1-C_6-alkyl, C_1-C_6-haloalkyl and C_1-C_6-alkoxycarbonyl,

R^7 is selected from the group consisting of hydrogen, halogen, cyano, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-hydroxyalkyl, C_1-C_6-alkylcarbonyl, C_1-C_6-alkoxy, C_2-C_6-alkenyl, C_2-C_6-alkynyl, C_2-C_6-haloalkynyl, C_1-C_6-alkylsulfanyl, C_1-C_6-alkylsulfinyl, C_1-C_6-alkylsulfonyl, C_1-C_6-haloalkylsulfonyl, C_3-C_8-cycloalkyl, aromatic 5- or 6-membered monocyclic heterocycle, non-aromatic 3- to 7-membered monocyclic heterocycle and —N(R^e)$_2$,

with R^e being independently selected from the group consisting of hydrogen, C_1-C_6-alkyl, C_1-C_6-haloalkyl and C_3-C_8-cycloalkyl,

wherein aliphatic R^7 and R^e substituents may be substituted with one to three R^{7Sa} substituents independently selected from the group consisting of cyano, hydroxyl, C_1-C_6-alkoxy, C_3-C_8-cycloalkyl, C_1-C_6-alkoxycarbonyl and aromatic C_6-C_{14}-carbocycle,

wherein cyclic or cyclic moiety of R^7 and cyclic R^e may be substituted with one to three R^{7Sc} substituents independently selected from the group consisting of halogen, hydroxyl, C_1-C_6-alkyl and C_1-C_6-alkoxy,

R^8 is selected from the group consisting of hydrogen, halogen, hydroxyl, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_2-C_6-alkenyl, C_2-C_6-alkenyloxy, C_2-C_6-haloalkenyloxy, C_1-C_6-alkylsulfanyl, C_1-C_6-haloalkylsulfanyl, C_1-C_6-alkylsulfinyl, C_1-C_6-alkylsulfonyl, C_3-C_8-cycloalkyl, aromatic C_6-C_{14}-carbocycle, non-aromatic 3- to 14-membered heterocycle, aromatic 5- to 14-membered heterocycle, C_3-C_8-cycloalkyloxy, non-aromatic 3- to 14-membered heterocyclyloxy and —N(R^h)$_2$,

with R^h being independently selected from the group consisting of hydrogen, C_1-C_6-alkyl, C_2-C_6-alkenyl, C_3-C_8-cycloalkyl, aromatic C_6-C_{14}-carbocycle and non-aromatic 3- to 7-membered monocyclic heterocycle,

wherein aliphatic R^8 and R^h substituents may be substituted with one to three R^{8Sa} substituents independently selected from the group consisting of hydroxyl, carboxyl, C_1-C_6-alkoxy, C_1-C_6-alkoxy-C_1-C_6-alkoxy, C_1-C_6-alkoxycarbonyl, C_3-C_8-cycloalkyl, —O—Si(C_1-C_6-alkyl)$_3$, non-aromatic 3- to 7-membered monocyclic heterocycle and —N($R^{a'}$)$_2$ with $R^{a'}$ being independently selected from the group consisting of hydrogen, formyl, C_1-C_6-alkyl and C_1-C_6-alkylcarbonyl,

wherein cyclic or cyclic moiety of R^8 and cyclic R^h substituents may be substituted with one to three R^{8Sc} substituents independently selected from the group consisting of halogen, cyano, hydroxyl, oxo, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_1-C_6-alkoxycarbonyl, C_3-C_8-cycloalkyl and non-aromatic 3- to 7-membered monocyclic heterocycle, or two R^{8Sc} substituents form, together with the carbon atom to which they are attached to a non-aromatic 3- to 7-membered monocyclic heterocycle,

Q is selected from the group consisting of phenyl, naphthyl, a C_7-C_{12} bicyclic system comprising an aryl fused to a C_3-C_8-cycloalkyl, a C_7-C_{12} bicyclic system comprising an aryl fused to a C_3-C_8-cycloalkenyl, a non-aromatic bicyclic heterocycle comprising a 4- to 6-membered monocyclic non-aromatic heterocycle fused to an aryl, a non-aromatic bicyclic heterocycle comprising a 5- or 6-membered monocyclic heteroaryl fused to a monocyclic C_3-C_8-cycloalkyl, an aromatic 5- or 6-membered monocyclic heterocycle, an aromatic 9- or 10-membered bicyclic heterocycle comprising an aromatic 5- or 6-membered monocyclic heterocycle fused to an aryl (phenyl, a 9- or 10-membered aromatic bicyclic heterocycle comprising two fused aromatic 5- or 6-membered monocyclic heterocycles, wherein any of said carbocycle or heterocycle groups may be substituted with one to four Q^S substituents independently selected from the group consisting of halogen, cyano, nitro, hydroxyl, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkylcarbonyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_1-C_6-alkoxy-C_1-C_6-alkyl, C_2-C_6-alkenyl, C_2-C_6-alkynyl, C_1-C_6-alkylsulfanyl, C_1-C_6-haloalkylsulfanyl, C_3-C_8-cycloalkyl, non-aromatic 3- to 7-membered monocyclic heterocycle and —N(R^k)$_2$

with R^k being hydrogen,

wherein cyclic or cyclic moiety of Q^S substituents may be substituted with one to three R^{Qs} substituents independently selected from the group consisting of halogen.

In a more preferred embodiment compounds according to the present invention are compounds of formula (I), wherein

T is O;

n is 0 or 1;

m is 0 or 1;

provided m is 1 when n is 1;

R^1 is selected from the group consisting of hydrogen, hydroxyl, C_1-C-alkyl and —C(=O)(OR^{a1}), with R^{a1} being selected from the group consisting of C_1-C_4-alkyl and C_2-C_4-alkenyl,

R^2 and R^3 are hydrogen, or R^2 and R^3 form, together with the carbon atom to which they are attached to, a C_3-C_6-cycloalkyl,

R^4 and R^5 are independently selected from the group consisting of hydrogen, fluorine, chlorine and C_1-C_4-alkyl, or R^4 and R^5 form, together with the carbon atom to which they are attached to, a C_3-C_6-cycloalkyl; or

R^2 and R^4 form, together with the carbon atom to which they are attached to, a C_3-C_6-cycloalkyl, and R^3 and R^5 are independently hydrogen or halogen; or

R^6 is selected from the group consisting of an indanyl, a 1,2,3,4-tetrahydronaphthalenyl, a spiro[cyclopropane-1,2'-indane]-1-yl, phenyl, naphthyl, a 4- to 6-membered monocyclic non-aromatic heterocycle fused to a phenyl, a 5- or 6-membered monocyclic heteroaryl fused to a monocyclic C_3-C_8-cycloalkyl, an aromatic 5- or 6-membered monocyclic heterocycle, a 5- or 6-membered monocyclic aromatic heterocycle fused to an aryl, phenoxy, benzyloxy or —OCF_2-phenyl, wherein cyclic, or cyclic moiety of, R^6 substitutents may be substituted by one to three R^{6S} substituents selected from the group consisting of fluorine, chlorine, cyano, C_1-C_4-alkyl, C_1-C_4-haloalkyl, C_1-C_4-alkoxy, C_1-C_4-haloalkoxy, C_2-C_6-alkenyl, C_2-C_6-alkynyl, C_1-C_4-haloalkylsulfanyl, C_3-C_6-cycloalkyl, phenyl, pyridyl, pyrazolyl, imidazolyl, triazolyl, oxetanyl and tetrahydrofuranyl,

wherein cyclic or cyclic moiety of R^{6S} substituents may be substituted with one to three substituents independently selected from the group consisting of fluorine, chlorine, C_1-C_4-alkyl, C_1-C_4-haloalkyl and C_1-C_4-alkoxycarbonyl,

R^7 is selected from the group consisting of hydrogen, chlorine, C_1-C_4-alkyl, C_1-C_4-haloalkyl, C_1-C_4-hydroxyalkyl, C_1-C_4-alkylcarbonyl, C_1-C_4-alkoxy, C_2-C_6-alkenyl, C_2-C_6-alkynyl, C_3-C_6-cycloalkyl, pyridinyl, imidazolyl, pyrazolyl, oxetanyl, tetrahydrofuranyl, tetrahydropyranyl, pyrrolidinyl, azetidinyl and —$N(R^e)_2$,

with R^e being independently selected from the group consisting of hydrogen, C_1-C_4-alkyl and C_3-C_6-cycloalkyl,

wherein aliphatic R^7 and R^e substituents may be substituted with one or two R^{7Sa} substituents independently selected from the group consisting of C_1-C_4-alkoxy, C_3-C_6-cycloalkyl, C_1-C_2-alkoxycarbonyl and phenyl,

wherein cyclic or cyclic moiety of R^7 and cyclic R^e may be substituted with one or two R^{7Sc} substituents independently selected from the group consisting of fluorine, chlorine, hydroxyl, C_1-C_4-alkyl and C_1-C_4-alkoxy,

R^8 is selected from the group consisting of hydrogen, halogen, hydroxyl, C_1-C_4-alkyl, C_1-C_4-haloalkyl, C_1-C_4-alkoxy, C_2-C_6-alkenyl, C_2-C_6-alkenyloxy, C_2-C_6-haloalkenyloxy, C_1-C_4-alkylsulfanyl, C_1-C_4-haloalkylsulfanyl, C_1-C_4-alkylsulfinyl, C_1-C_4-alkylsulfonyl, C_3-C_6-cycloalkyl, phenyl, non-aromatic 3- to 7-membered heterocycle, aromatic 5- or 6-membered heterocycle, non-aromatic 3- to 7-membered heterocyclyloxy and —$N(R^h)_2$,

with R^h being independently selected from the group consisting of hydrogen, C_1-C_4-alkyl, C_2-C_6-alkenyl, C_3-C_6-cycloalkyl, phenyl and non-aromatic 3- to 7-membered monocyclic heterocycle, wherein aliphatic R^8 and R^h substituents may be substituted with one to three R^{8Sa} substituents independently selected from the group consisting of hydroxyl, carboxyl, C_1-C_4-alkoxy, C_1-C_4-alkoxy-C_1-C_4-alkoxy, C_1-C_4-alkoxycarbonyl, C_3-C_6-cycloalkyl, non-aromatic 3- to 7-membered monocyclic heterocycle and —$N(R^{a'})_2$ with $R^{a'}$ being independently selected from the group consisting of hydrogen, C_1-C_4-alkyl and C_1-C_2-alkylcarbonyl,

wherein cyclic or cyclic moiety of R^8 and cyclic R^h substituents may be substituted with one to three R^{8Sc} substituents independently selected from the group consisting of chlorine, cyano, hydroxyl, C_1-C_4-alkyl, C_1-C_4-haloalkyl, C_1-C_4-alkoxy, C_1-C_4-alkoxycarbonyl, C_3-C_6-cycloalkyl, oxolanyl, oxetanyl and tetrahydrofuranyl, or two R^{8Sc} substituents form, together with the carbon atom to which they are attached to a oxetanyl or oxiranyl,

Q is selected from the group consisting of phenyl, naphth-2-yl, bicyclo[4.2.0]octa-1(6), 2,4-trienyl, indanyl, 1,2,3,4-tetrahydronaphthalenyl, indenyl, dihydronaphthalenyl, bicyclo[4.2.0]octa-1(6),2,4-trienyl, 2,3-dihydrobenzofuranyl, 1,3-dihydroisobenzofuranyl, indolinyl, 1,3-benzodioxolyl, chromanyl, 2,3-dihydro-1,4-benzodioxinyl, [1,3]dioxolo[4,5-b]pyridinyl, 5,6,7,8-tetrahydroquinolinyl, 6,7-dihydro-5H-cyclopenta[b]pyridinyl, 1,3-benzodioxolyl, 2,3-dihydrobenzofuranyl, pyrrolyl, furanyl, thienyl, imidazolyl, triazolyl, oxazolyl, thiazolyl, pyridinyl, pyridazinyl and pyrimidinyl, indolyl, benzimadozolyl, indazolyl, benzofuranyl, benzothiophenyl, benzothiazolyl, benzoxazolyl, quinolinyl, furo[3,2-b]pyridinyl, thieno[3,2-b]thiophenyl and thieno[2,3-d]thiazolyl, wherein any of said carbocycle or heterocycle groups may be substituted with one to three Q^S substituents independently selected from the group consisting of halogen, C_1-C_4-alkyl, C_1-C_4-haloalkyl, C_1-C_4-alkoxy, C_1-C_4-haloalkoxy, C_2-C_4-alkenyl, C_2-C_4-alkynyl, C_1-C_4-alkylsulfanyl, C_1-C_4-haloalkylsulfanyl, C_3-C_6-cycloalkyl, oxiranyl, oxetanyl and —$N(R^k)_2$ with R^k being hydrogen,

wherein cyclic or cyclic moiety of Q^S substituents may be substituted with one or two R^{Qs} substituents independently selected from the group consisting of fluorine and chlorine.

In a even more preferred embodiment compounds according to the present invention are compounds of formula (I), wherein

T is O

R^1 is hydrogen,

R^2 and R^3, when present (i.e. n=1), are hydrogen, or R^2 and R^3 form, together with the carbon atom to which they are attached to, a cyclopropyl or cyclobutyl,

R^4 and R^5, when present (i.e. m=1), are independently selected from the group consisting of hydrogen and halogen,

R^6 is indanyl, 1,2,3,4-tetrahydronaphthalenyl, spiro[cyclopropane-1,2'-indane]-1-yl, phenyl, 2,3-dihydrobenzofuranyl, 1,3-benzodioxolyl, 2,3-dihydro-1,4-benzodioxinyl,

4,5,6,7-tetrahydrobenzothiophenyl, thienyl, pyridinyl indolyl, benzoxazolyl, quinolinyl or isoquinolinyl,

wherein said indanyl, a 1,2,3,4-tetrahydronaphthalenyl, spiro[cyclopropane-1,2'-indane]-1-yl, phenyl, 2,3-dihydrobenzofuranyl, 1,3-benzodioxolyl, 2,3-dihydro-1,4-benzodioxinyl, 4,5,6,7-tetrahydrobenzothiophenyl, thienyl, pyridinyl indolyl, benzoxazolyl, quinolinyl or isoquinolinyl may be substituted by one to three R^{6S} substituents independently selected from the group consisting of halogen, cyano, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_2-C_6-alkenyl, C_2-C_6-alkynyl, cyclopropyl,

R^7 is hydrogen, halogen, cyano, C_1-C_4-alkyl, C_1-C_4-haloalkyl, C_1-C_4-hydroxyalkyl, C_1-C_4-alkylcarbonyl, C_1-C_4-alkoxy, C_2-C_6-alkenyl, C_2-C_6-alkynyl or cyclopropyl,

wherein aliphatic R^7 may be substituted by one or two R^{7Sa} substituents methoxy

R^8 is hydrogen, halogen, C_1-C_4-alkyl, C_1-C_4-alkoxy, C_2-C_4-alkenyl, C_1-C_4-alkylsulfanyl, pyrazolyl, imidazolyl, thiazolyl, pyridinyl or —$N(R^h)_2$,

wherein R^h is independently selected from the group consisting of hydrogen, C_1-C_4-alkyl and cyclopropyl,

wherein said aliphatic R^8 substituents may be substituted by one or two R^{8Sa} substituents independently selected from the group consisting of C_1-C_4-haloalkyl, C_1-C_4-alkoxy, C_1-C_4-alkoxy-C_1-C_2-alkoxy, cyclopropyl and cyclobutyl,

wherein said cyclic R^8 substituents may be substituted by one or two R^{8Sc} substituents independently selected from the group consisting of halogen,

Q is phenyl, thienyl or pyridinyl,

wherein said phenyl, thienyl and pyridinyl may be substituted by one to three Q^S substituents independently selected from the group consisting of halogen, C_1-C_4-alkyl, C_1-C_4-haloalkyl, C_1-C_4-alkoxy, C_1-C_4-haloalkoxy, C_2-C_4-alkenyl, C_2-C_4-alkynyl, C_1-C_4-alkylsulfanyl, C_1-C_4-haloalkylsulfanyl, cyclopropyl, cyclobutyl, oxiranyl and oxetanyl.

In some embodiments, compounds according to the present invention are compounds of formula (I) in accordance with embodiments 1, 2, 3 or 4 wherein n is 0 and m is 1.

In some embodiments, compounds according to the present invention are compounds of formula (I) in accordance with embodiments 1, 2, 3 or 4 wherein n is 0 and m is 0. In some embodiments, compounds according to the present invention are compounds of formula (I) in accordance with embodiments 1, 2, 3 or 4 wherein n is 1 and m is 1.

In some embodiments, compounds according to the present invention are compounds of formula (I) in accordance with embodiments 1, 2, 3 or 4 wherein Q as described herein is substituted with one or more Q^S substituents as described herein that may be the same or different.

In some embodiments, compounds according to the present invention are compounds of formula (I) in accordance with embodiments 1, 2, 3 or 4 wherein R^6 as described herein is substituted with one or more R^{6S} substituents as described herein that may be the same or different.

In embodiments 2, 3 and 4, R^1 may be selected from the group consisting of hydrogen, hydroxyl and —C(=O)(OR^{a1}) with R^{a1} being a hydrogen atom, C_1-C_6-alkyl or C_2-C_6-alkenyl. Non-limiting examples of suitable R^1 include any of the R^1 groups disclosed in column "R^1" of Table 1. Preferably R^1 is hydrogen.

In embodiments 2, 3 and 4, R^2 and R^3, when present (i.e. n=1), may be independently selected from the group consisting of hydrogen, cyano, C_1-C_6-alkyl (e.g. methyl) and C_1-C_6-alkoxycarbonyl (e.g. methoxycarbonyl), or R^2 and R^3 form, together with the carbon atom to which they are attached to, a C_3-C_8-cycloalkyl (e.g. cyclopropyl). Preferably, R^2 and R^3, when present, are both hydrogen or R^2 and R^3 form, together with the carbon atom to which they are attached to, a C_3-C_8-cycloalkyl (e.g. cyclopropyl).

In embodiments 2, 3 and 4, R^4 and R^5, when present (i.e. m=1), may be independently selected from the group consisting of hydrogen, halogen, hydroxyl and C_1-C_6-alkyl (e.g. methyl), or R^4 and R^5 form, together with the carbon atom to which they are attached to, a C_3-C_8-cycloalkyl (e.g. cyclopropyl) or a non-aromatic 3- to 7-membered monocyclic heterocycle (e.g. non-aromatic 3- to 7-membered saturated monocyclic heterocycle, for instance oxetanyl). Preferably, R^4 and R^5, when present, are independently selected from the group consisting of hydrogen, halogen (e.g. fluorine) and C_1-C_6-alkyl (e.g. methyl), or R^4 and R^5 form, together with the carbon atom to which they are attached to, a C_3-C_8-cycloalkyl (e.g. cyclopropyl).

In embodiments 2, 3 and 4, when R^2 and R^4 form, together with the carbon atom to which they are attached to, a C_3-C_8-cycloalkyl, R^2 and R^4 form preferably a cyclopropyl and R^3 and R^5 are independently hydrogen or halogen (e.g. fluorine).

In some embodiments, compounds according to the present invention are compounds of formula (I) in accordance with embodiments 1, 2, 3 or 4 wherein, when n=1 and m=1, R^2 and R^3 are both hydrogen or both C_1-C_6-alkyl (e.g. methyl), or R^2 is hydrogen and R^3 is C_1-C_6-alkoxycarbonyl (e.g. methoxycarbonyl), or R^2 and R^3 form, together with the carbon atom to which they are attached to, a C_3-C_8-cycloalkyl (e.g. cyclopropyl), and

R^4 and R^5 are both hydrogen or both halogen (e.g. fluorine), or R^4 is hydrogen and R^5 is C_1-C_6-alkyl (e.g. methyl), or R^4 is hydrogen and R^5 is halogen (e.g. fluorine), or R^4 and R^5 form, together with the carbon atom to which they are attached to, a C_3-C_8-cycloalkyl (e.g. cyclopropyl), or R^2 and R^4 form, together with the carbon atom to which they are attached to, a C_3-C_8-cycloalkyl (e.g. cyclopropyl), and R^3 and R^5 are independently hydrogen or halogen (e.g. fluorine).

In some embodiments, compounds according to the present invention are compounds of formula (I) in accordance with embodiments 1, 2, 3 or 4 wherein, when n=0 and m=1, R^4 and R^5 are both hydrogen or both C_1-C_6-alkyl (e.g. methyl) or R^4 is hydrogen and R^5 is C_1-C_6-alkyl (e.g. methyl) or R^4 and R^5 form, a non-aromatic 3- to 7-membered monocyclic heterocycle (e.g. non-aromatic 3- to 7-membered saturated monocyclic heterocycle, for instance oxetanyl).

In some embodiments, compounds according to the present invention are compounds of formula (I) in accordance with embodiments 1, 2, 3 or 4 wherein, when n=0 and m=0, R^6 is selected from the group consisting of non-aromatic C_3-C_{12}-carbocycle (preferably C_7-C_{12} bicyclic system, more preferably C_7-C_{12} bicyclic system comprising an aryl fused to a C_3-C_8-cycloalkyl), non-aromatic 3- to 14-membered heterocycle (preferably non aromatic bicyclic heterocycle comprising a 4- to 6-membered monocyclic non-aromatic heterocycle fused to an aryl or non-aromatic bicyclic heterocycle comprising a 5- or 6-membered monocyclic heteroaryl fused to a monocyclic C_3-C_8-cycloalkyl), C_1-C_3-alkoxy substituted by an aromatic C_6-C_{14}-carbocycle and C_1-C_3-haloalkoxy substituted by an aromatic C_6-C_{14}-carbocycle, preferably R^6 is selected from the group consisting of indanyl, 1,2,3,4-tetrahydronaphthalenyl, spiro[cyclopropane-1,2'-indane]-1-yl, 2,3-dihydrobenzofuranyl, chroma-

nyl, isochromanyl, thiochromanyl, 5,6,7,8-tetrahydroquinolinyl, 4,5,6,7-tetrahydrobenzothiophenyl, benzyloxy and —OCF_2-phenyl.

In some embodiments, compounds according to the present invention are compounds of formula (I) in accordance with embodiments 1, 2, 3 or 4 wherein, when n=0 and m=1, R^6 is selected from the group consisting of non-aromatic C_3-C_{12}-carbocycle (preferably C_7-C_{12} bicyclic system, more preferably C_7-C_{12} bicyclic system comprising an aryl fused to a C_3-C_8-cycloalkyl), aromatic C_6-C_{14}-carbocycle, non-aromatic 3- to 14-membered heterocycle (preferably non aromatic bicyclic heterocycle comprising a 4- to 6-membered monocyclic non-aromatic heterocycle fused to an aryl), aromatic 5- to 14-membered heterocycle (preferably 9- or 10-membered aromatic bicyclic heterocycles comprising a 5- or 6-membered monocyclic aromatic heterocycle fused to an aryl or 9- or 10-membered aromatic bicyclic heterocycles comprising two fused 5- or 6-membered monocyclic aromatic heterocycle), aromatic C_6-C_{14}-carbocyclyloxy, C_1-C_3-alkoxy substituted by an aromatic C_6-C_{14}-carbocycle and C_1-C_3-haloalkoxy substituted by an aromatic C_6-C_{14}-carbocycle, preferably R^6 is selected from the group consisting of indanyl, 1,2,3,4-tetrahydronaphthalenyl, phenyl, naphtyl, 2,3-dihydrobenzofuranyl, indolinyl, 1,3-benzodioxolyl, chromanyl, indolyl, quinolinyl, isoquinolinyl, imidazo[1,2-a]pyridinyl), phenoxy, benzyloxy and —OCF_2-phenyl.

In some embodiments, compounds according to the present invention are compounds of formula (I) in accordance with embodiments 1, 2, 3 or 4 wherein, when n=1 and m=1, R^6 is selected from the group consisting of aromatic C_6-C_{14}-carbocycle, non-aromatic 3- to 14-membered heterocycle (preferably non aromatic bicyclic heterocycle comprising a 4- to 6-membered monocyclic non-aromatic heterocycle fused to an aryl), aromatic 5- to 14-membered heterocycle (preferably 5- or 6-membered monocyclic aromatic heterocycle or 9- or 10-membered aromatic bicyclic heterocycle comprising a 5- or 6-membered monocyclic aromatic heterocycle fused to an aryl), aromatic C_6-C_{14}-carbocyclyloxy, C_1-C_3-alkoxy substituted by, an aromatic C_6-C_{14}-carbocycle and C_1-C_3-haloalkoxy substituted by an aromatic C_6-C_{14}-carbocycle, preferably R^6 is selected from the group consisting of phenyl, 2,3-dihydrobenzofuranyl, 1,3-benzodioxolyl, 2,3-dihydro-1,4-benzodioxinyl, furanyl, thienyl, pyridinyl, pyrimidinyl, benzofuranyl, 1,3-benzoxazolyl, phenoxy, benzyloxy and —OCF_2-phenyl.

In some embodiments, compounds according to the present invention are compounds of formula (I) in accordance with embodiments 1, 2, 3 or 4 wherein T is O.

In some embodiments, compounds according to the present invention are compounds of formula (I) in accordance with embodiments 1, 2, 3 or 4 wherein T is S.

The present invention also relates to any compounds of formula (I) disclosed in Table 1.

The compounds of formula (I) may be used as fungicides (for controlling phytopathogenic fungi), in particular in methods for controlling phytopathogenic fungi which comprises the step of applying one or more compounds of formula (I) on plants.

Processes for the Preparation of Compounds of Formula (I) and Intermediates

The present invention relates to processes for the preparation of compounds of formula (I) and their intermediates. Unless indicated otherwise, the radicals Q, T, R^1, R^2, R^3, R^4, R^5, R^6, R^7, R^8, m and n have the meanings given above for the compounds of formula (I). These definitions apply not only to the end products of formula (I) but also to all intermediates.

Compounds of formula (I-a)-(I-g) are various subsets of formula (I). Compounds of formula (I-a-1)-(I-a-8) are various subsets of formula (I-a). All substituents for formula (I-a)-(I-g) and (I-a-1)-(I-a-8) are as defined above for formula (I) unless otherwise noted.

The compounds of the general formula (I) can be prepared by various routes in analogy to known processes (see e.g. and references therein). Non-limiting examples of suitable processes are herein described.

A compound of formula (I) may be directly obtained by performing process A or B or may be obtained by conversion or derivatization of another compound of formula (I) prepared in accordance with the processes described herein. For instance, a compound of formula (I) can be converted into another compound of formula (I) by replacing one or more substituents of the starting compound of formula (I) by other substituents. Non-limiting examples of such conversion or derivatization are described below (processes C to H).

The processes described herein may be suitably performed using one or more inert organic solvents which is/are customary for the considered reaction. Suitable inert organic solvents can be chosen from the following: aliphatic, alicyclic or aromatic hydrocarbons (e.g. petroleum ether, pentane, hexane, heptane, cyclohexane, methylcyclohexane, ligroin, benzene, toluene, xylene or decalin), halogenated aliphatic, alicyclic or aromatic hydrocarbons (e.g. chlorobenzene, dichlorobenzene, dichloromethane, chloroform, carbon tetrachloride, 1,2-dichloroethane or trichloroethane), ethers (e.g. diethyl ether, diisopropyl ether, methyl f-butyl ether, methyl f-amyl ether, dioxane, tetrahydrofuran, 2-methyltetrahydrofuran, 1,2-dimethoxyethane, 1,2-diethoxyethane or anisole), ketones (e.g. acetone, methyl ethyl ketone, methyl isopropyl ketone and methyl isobutyl ketone), esters (e.g. methyl acetate, ethyl acetate or butyl acetate), alcohols (e.g. methanol, ethanol, propanol, isopropanol, butanol, tert-butanol), nitriles (e.g. acetonitrile, propionitrile, n- or i-butyronitrile or benzonitrile), amides (e.g. N,N-dimethylformamide, N,N-dimethylacetamide, N-methylformanilide, N-methylpyrrolidone, or hexamethylphosphoric triamide), sulfoxides (e.g. dimethyl sulfoxide) or sulfones (e.g. sulfolane), ureas (e.g. 1,3-dimethyl-3,4,5,6-tetrahydro-2(1H)-pyrimidinone) or any mixture thereof.

Some processes described herein may require or be optionally performed using one or more inorganic or organic bases which are customary for such reactions. Examples of suitable inorganic and organic bases include, but are not limited to, alkaline earth metal or alkali metal carbonates (e.g. sodium carbonate, potassium carbonate, potassium bicarbonate, sodium bicarbonate or cesium carbonate), alkali metal hydrides (e.g. sodium hydride), alkaline earth metal or alkali metal hydroxides (e.g. sodium hydroxide, calcium hydroxide, potassium hydroxide or other ammonium hydroxide derivatives), alkaline earth metal, alkali metal or ammonium fluorides (e.g. potassium fluoride, cesium fluoride or tetrabutylammonium fluoride), alkali metal or alkaline earth metal acetates (e.g. sodium acetate, lithium acetate, potassium acetate or calcium acetate), alkali metal alcoholates (e.g. potassium tert-butoxide or sodium tert-butoxide), alkali metal phosphates (e.g. tri-potassium phosphate), tertiary amines (e.g. trimethylamine, triethylamine, tributylamine, N,N-dimethylaniline, N,N-dicyclohexylmethylamine, N,N-diisopropylethylamine, N-methylpiperidine, N,N-dimethylaminopyridine, diazabicyclooctane (DABCO), diazabicyclononene (DBN), diazabicyclounde-

cene (DBU), quinuclidine, 3-acetoxyquinuclidine, guanidines or aromatic bases (e.g. pyridines, picolines, lutidines or collidines).

Some of the processes described herein may be optionally performed in the presence of a transition metal catalyst, such as a metal (e.g. copper or palladium) salt or complex, if appropriate in the presence of a ligand.

Suitable copper salts or complexes and their hydrates include, but are not limited to, copper metal, copper(I) iodide, copper(I) chloride, copper(I) bromide, copper(II) chloride, copper(II) bromide, copper(II) oxide, copper(I) oxide, copper(II) acetate, copper(I) acetate, copper(I) thiophene-2-carboxylate, copper(I) cyanide, copper(II) sulfate, copper(II) bis(2,2,6,6-tetramethyl-3,5-heptane-dionate), copper(II) trifluoromethanesulfonate, tetrakis(acetonitrile) copper(I) hexafluorophosphate, tetrakis(acetonitrile)-copper (I) tetrafluoroborate.

It is also possible to generate in situ a suitable copper complex in the reaction mixture by separate addition to the reaction of a copper salt and a ligand or salt, such as ethylenediamine, N,N-dimethylethylenediamine, N,N'-dimethylethylenediamine, rac-trans-1,2-diaminocyclohexane, rac-trans-N,N'-dimethylcyclohexane-1,2-diamine, 1,1'-binaphthyl-2,2'-diamine, N,N,N',N'-tetramethylethylenediamine, proline, N,N-dimethylglycine, quinolin-8-ol, pyridine, 2-aminopyridine, 4-(dimethyl-amino)pyridine, 2,2'-bipyridyl, 2,6-di(2-pyridyl)pyridine, 2-picolinic acid, 2-(dimethylaminomethyl)-3-hydroxypyridine, 1,10-phenanthroline, 3,4,7,8-tetramethyl-1,10-phenanthroline, 2,9-dimethyl-1,10-phenanthroline, 4,7-dimethoxy-1,10-phenanthroline, N,N'-bis[(E)-pyridin-2-ylmethylidene]cyclohexane-1,2-diamine, N-[(E)-phenylmethylidene], N-[(E)-phenylmethylidene]-cyclohexanamine, 1,1,1-tris(hydroxymethyl)ethane, ethylene glycol, 2,2,6,6-tetramethylheptane-3,5-dione, 2-(2,2-dimethylpropanoyl)cyclohexanone, acetylacetone, dibenzoylmethane, 2-(2-methyl-propanoyl) cyclohexanone, biphenyl-2-yl(di-tert-butyl)phosphane, ethylenebis-(diphenylphosphine), N,N-diethylsalicylamide, 2-hydroxybenzaldehyde oxime, oxo[(2,4,6-trimethylphenyl)amino]acetic acid or 1H-pyrrole-2-carboxylic acid.

Suitable palladium salts or complexes include, but are not limited to, palladium chloride, palladium acetate, tetrakis (triphenylphosphine)palladium(0), bis(dibenzylideneacetone)palladium(0), tris(di-benzylideneacetone)dipalladium (0), bis(triphenylphosphine)palladium(II) dichloride, [1,1'-bis(diphenyl-phosphino)ferrocene]dichloropalladium(II), bis(cinnamyl)dichlorodipalladium(II), bis(allyl)-dichlorodipalladium(II) or [1,1'-Bis(di-tert-butylphosphino)ferrocene]dichloropalladium(II).

It is also possible to generate a palladium complex in the reaction mixture by separate addition to the reaction of a palladium salt and a ligand or salt, such as triethylphosphine, tri-tert-butylphosphine, tri-tert-butylphosphonium tetrafluoroborate, tricyclohexylphosphine, 2-(dicyclohexylphosphino)biphenyl, 2-(di-tert-butylphosphino)biphenyl, 2-(dicyclohexylphosphino)-2'-(N,N-dimethylamino)biphenyl, 2-(tert-butylphosphino)-2'-(N,N-dimethylamino)biphenyl, 2-di-tert-butylphosphino-2',4',6'-triisopropylbiphenyl, 2-dicyclohexylphosphino-2',4',6'-triisopropylbiphenyl, 2-dicyclohexylphosphino-2,6'-dimethoxybiphenyl, 2-dicyclohexylphosphino-2',6'-diisopropoxybiphenyl, triphenylphosphine, tris-(o-tolyl)phosphine, sodium 3-(diphenylphosphino)benzenesulfonate, tris-(2-methoxy-phenyl) phosphine, 2,2'-bis(diphenyl-phosphino)-1,1'-binaphthyl, 1,4-bis(diphenylphosphino)butane, 1,2-bis(diphenylphosphino) ethane, 1,4-bis(dicyclohexylphosphino)butane, 1,2-bis(dicyclohexylphosphino)-ethane, 2-(dicyclohexyl-phosphino)-2'-(N,N-dimethylamino)-biphenyl, 1,1'-bis(diphenylphosphino)-ferrocene, (R)-(−)-1-[(S)-2-diphenylphosphino)ferrocenyl]ethyldicyclohexylphosphine, tris-(2,4-tert-butyl-phenyl)phosphite, di(1-adamantyl)-2-morpholinophenylphosphine or 1,3-bis(2,4,6-trimethylphenyl)imidazolium chloride.

The appropriate catalyst and/or ligand may be chosen from commercial catalogues such as "Metal Catalysts for Organic Synthesis" by Strem Chemicals or from reviews (Chemical Society Reviews (2014), 43, 3525, Coordination Chemistry Reviews (2004), 248, 2337 and references therein).

Some of the processes described herein may be performed by metallo-photoredox catalysis according to methods reported in the literature (Nature chemistry review, (2017) 0052 and references therein; Science (2016) 352, 6291, 1304; Org. Lett. 2016, 18, 4012, J. Org. Chem 2016, 81, 6898; J. Am. Chem. Soc. 2016, 138, 12715, J. Am. Chem. Soc. 2016, 138, 13862; J. Am. Chem. Soc. 2016, 138, 8034; J. Org. Chem. 2016, 81, 12525, J. Org. Chem. 2015, 80, 7642). The process is then performed in the presence a photosensitizer, such as Ir and Ru complexes or organic dyes, and a metal catalyst such as Ni complexes. The reaction can be performed in the presence of a ligand and if appropriate in the presence of a base under irradiation with blue or white light.

Suitable photosensitizers include, but are not limited to, Ir(III) photocatalyst such as $[Ir(dFCF_3ppy)_2(bpy)]PF_6$ ($dFCF_3ppy$=2-(2,4-difluorophenyl)-5-trifluoromethylpyridine, bpy=2,2'-bipyridine), $[Ir(dFCF_3ppy)_2(dtbbpy)]PF_6$ (dtbbpy=4,4'-di-tert-butyl-2,2'-bipyridine), $Ir(ppy)_2(dtbbpy)PF_6$ (ppy=2-phenylpyridine), $Ir(ppy)_2(bpy)PF_6$, $Ir(dFppy)_3PF_6$ ($dFCF_3ppy$=2-(2,4-difluorophenyl)pyridine), fac-$Ir(ppy)_3$, (Ir[diF(5-Me)ppy]2(tetraMePhen)PF_6 (diF(5-Me)ppy=2-(2,4-difluorophenyl)-5-methyl-pyridine, tetraMePhen=3,4,7,8-tetramethyl-1,10-phenanthroline), Ru(II) photocatalyst such as $Ru(bpy)_3Cl_2$ or $Ru(bpy)_3(PF_6)_2$ or organic dyes like 9-mesityl-10-acridinium, salts like perchlorate or tetrafluoroborate, or 2,4,5,6-tetra-9H-carbazol-9-yl-1,3-benzenedicarbonitrile, 9-fluorenone and 9,10-phenanthrenequinone.

Suitable nickel catalysts include, but are not limited to, bis(1,5-cyclooctadiene)nickel (0), nickel(II) chloride, nickel (II) bromide, nickel(II) iodide under their anhydrous or hydrate forms or as dimethoxyethane complexes, nickel(II) acetylacetonate, nickel(II) nitrate hexahydrate. These nickel catalysts can be used in combination with bipyridine ligand such as 2,2'-bipyridine, 4,4'-di-tert-butyl-2,2'-bipyridine, 4,4'-dimethoxy-2,2'-bipyridine, 4,4'-dimethyl-2,2'-bipyridine or phenantroline such as 1,10-phenanthroline, 4,7-dimethyl-1,10-phenantroline, 4,7-dimethoxy-1,10-phenantroline or diamines such as N,N,N',N'-tetramethylethylenediamine or dione such as tetramethylheptanedione.

The processes described herein may be performed at temperatures ranging from −105° C. to 250° C., preferably from −78° C. to 185° C.

The reaction time varies as a function of the scale of the reaction and of the reaction temperature, but is generally between a few minutes and 48 hours.

The processes described herein are generally performed under standard pressure. However, it is also possible to work under elevated or reduced pressure.

In the processes described herein, the starting materials are generally used in approximately equimolar amounts.

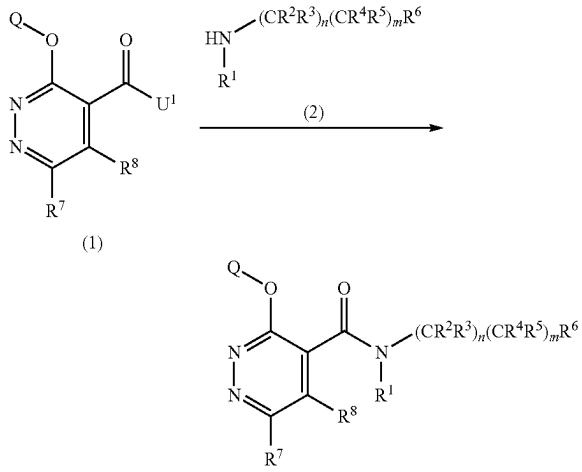
However, it is also possible to use one of the starting materials in a relatively large excess.

Processes for the Preparation of Compounds of Formula (0

Process A

A compound of formula (I-a) (i.e. formula (I) wherein T is O and R^1 is hydrogen, hydroxyl, cyano, C_1-C_6-alkyl or C_1-C_6-alkoxy) can be prepared by a process comprising the step of reacting a compound of formula (1) with an amine of formula (2) or a salt thereof, as shown in scheme 1.

Scheme 1: Process A Syntheiss of amides of formula (I-a)



U^1 = hydroxyl, halogen, C_1-C_6-alkoxy

R^1 = hydrogen, hydroxyl, cyano, C1-C6-alkyl, C1-C6-alkoxy, —C(=O)R^{a1}, —C(=O)(OR^{a1}), —S(=O)R^{a1}, —S(=O)$_2R^{a1}$, —C(=O)N(R^{a2})$_2$ and —S(=O)$_2$N(R^{a2})$_2$ with R^{a1} and R^{a2} as described herein

Compounds of formula (1) wherein U^1 is a hydroxyl group can be reacted with an amine of formula (2) in the presence of a condensing reagent by means of methods described in the literature (e.g. Tetrahedron 2005, 61, 10827-10852). Examples of suitable condensing reagents include, but are not limited to, halogenating reagents (e.g. phosgene, phosphorous tribromide, phosphorous trichloride, phosphorous pentachloride, phosphorous trichloride oxide, oxalyl chloride or thionyl chloride), dehydrating reagents (e.g. ethyl chloroformate, methyl chloroformate, isopropyl chloroformate, isobutyl chloroformate or methanesulfonyl chloride), carbodiimides (e.g. N,N'-dicyclohexylcarbodiimide (DCC)) or other customary condensing (or peptide coupling) reagents (e.g. phosphorous pentoxide, polyphosphoric acid, bis(2-oxo-3-oxazolidinyl)phosphinic chloride, 1-[Bis(dimethylamino)methylene]-1H-1,2,3-triazolo[4,5-b]pyridinium 3-oxid hexafluorophosphate (HATU), N,N'-carbonyl-diimidazole, 2-ethoxy-N-ethoxycarbonyl-1,2-dihydroquinoline (EEDQ), triphenylphosphine/tetrachloro-methane, 4-(4,6-dimethoxy[1.3.5]-triazin-2-yl)-4-methylmorpholinium chloride hydrate, bromo-tripyrrolidinophos-phonium-hexafluorophosphate or propanephosphonic anhydride (T3P).

Compounds of formula (1) wherein U^1 is a halogen atom can be reacted with an amine of formula (2) in the presence of an acid scavenger by means of well-known methods. Suitable acid scavengers include any inorganic and organic bases, as described herein, which are customary for such reactions. Preference is given to alkali metal carbonates, alkaline earth metal acetates, tertiary amines or aromatic bases.

Compounds of formula (1) wherein U^1 is a C_1-C_6-alkoxy group can be reacted with an excess of amine of formula (2), optionally in the presence of a Lewis acid such as trimethylaluminium.

Compounds of formula (1) can be prepared by one or more of the processes described herein (see processes I, J and K).

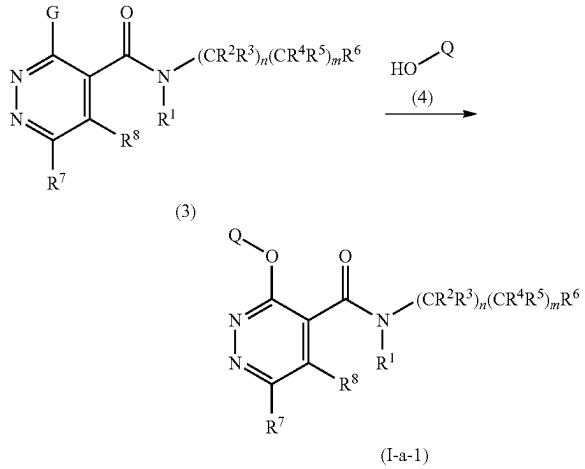
Amines of formula (2) are either commercially available or may be prepared in accordance with processes described in the literature (e.g. WO2007141009, WO2013064460, WO2015078800, WO2016066574, US20060116370, WO2007134799, WO2014177487, WO2011144338, EP0807629).

Process B

A compound of formula (I-a-1) (i.e. formula (I) wherein T is O, R^1 is hydrogen, cyano, hydroxyl, C_1-C_6-alkyl or C_1-C_6-alkoxyl R^7 and R^8 are as defined in scheme 2) can be prepared by a process comprising the step of reacting a compound of formula (3) and a compound of formula (4) in the presence of a base (e.g. organic or inorganic base) as shown in scheme 2.

Scheme 2: Process B—Synthesis of amides (I-a-1)

Scheme 2: Process B-Synthesis of amides (I-a-1)



G = halogen

R^1 = hydrogen, hydroxyl, cyano, C_1-C_6-alkyl, C_1-C_6-alkoxy

R^8 = hydrogen, C_1-C_6-alkyl

R^7 = hydrogen, halogen, hydroxyl, mercapto, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_2-C_6-alkenyloxy, C_2-C_6-haloalkenyloxy, C_2-C_6-alkynyloxy, C_2-C_6-haloalkynyloxy, C_1-C_6-alkylsulfanyl, C_1-C_6-haloalkylsulfanyl, C_3-C_8-cycloalkylsulfanyl, C_3-C_8-cycloalkyl, C_3-C_6-cycloalkenyl, C_3-C_8-cycloalkyloxy, aromatic C_6-C_{14}-carbocyclyloxy, aromatic 5- or 6-membered monocyclic heterocyclyloxy, non-aromatic 3- to 7-membered monocyclic heterocyclyloxy, —N(R^e)$_2$

In scheme 2, R^e is as disclosed herein and R^7, R^8 and R^e may be substituted as disclosed herein.

Process B may be performed in the presence of a transition metal catalyst, such as a copper salt or complex, if appropriate in the presence of a ligand.

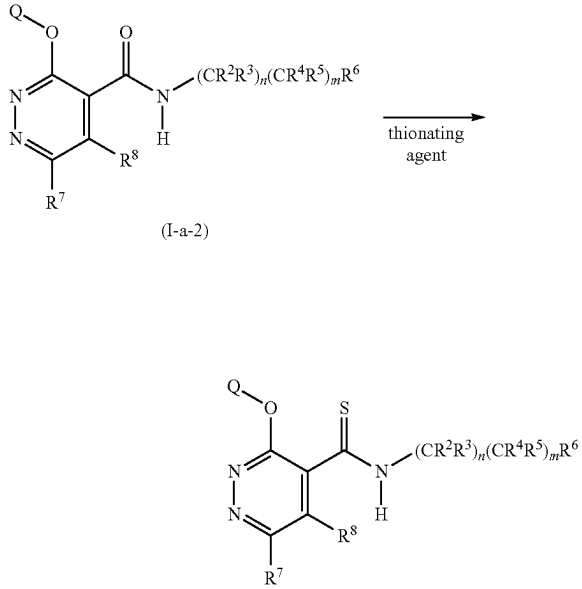
Compounds of formula (3) can be prepared by process M described herein.

Compounds of formula (4) are commercially available or may be obtained by conversion or derivatization of another compound of formula (4) in accordance to well-known methods.

Process C

A compound of formula (I-b) (i.e. formula (I) wherein T is S and R^1 is hydrogen) can be prepared by a process comprising the step of reacting a compound of formula (I-a-2) (i.e. formula (I) wherein T is 0 and R^1 is hydrogen) with a thionating agent as shown in scheme 3.

Scheme 3: Process C-Synthesis of thioamides (I-b)



Suitable thionating agents for carrying out process C include, but are not limited to, sulfur (S), sulfhydric acid (H_2S), sodium sulfide (Na_2S), sodium hydrosulfide (NaHS), boron trisulfide (B_2S_3), bis(diethylaluminium) sulfide ($(AlEt_2)_2S$), ammonium sulfide ($(NH_4)_2S$), phosphorous pentasulfide (P_2S_5), Lawesson's reagent (2,4-bis(4-methoxyphenyl)-1,2,3,4-dithiadiphosphetane 2,4-disulfide) or a polymer-supported thionating reagent such as described in Journal of the Chemical Society, Perkin 1 (2001), 358.

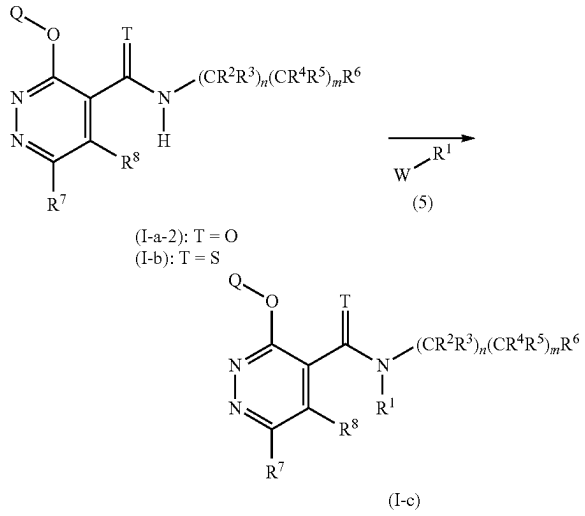
The process is optionally performed in the presence of a catalytic or stoichiometric or excess amount of a base (inorganic and organic base). Preference is given to alkali metal carbonates (e.g. sodium carbonate, potassium carbonate, potassium bicarbonate, sodium bicarbonate), heterocyclic aromatic bases (e.g. pyridine, picoline, lutidine, collidine) and also tertiary amines (e.g. trimethylamine, triethylamine, tributylamine, N,N-dimethylaniline, N,N-dimethylpyridin-4-amine or N-methylpiperidine).

A compound of formula (I-a-2) can be prepared by one or more of the processes herein described.

Process D

A compound of formula (I-c) (i.e. formula (I) wherein R^1 is —C(═O)R^{a1}, —C(═O)(OR^{a1}), with R^{a1} being as described herein) can be prepared by a process comprising the step of reacting a compound of formula (I-a-2) formula (i.e. formula (I) wherein T is O and R^1 is hydrogen) or a compound of formula (I-b) (i.e. formula (I) wherein T is S and R^1 is hydrogen) with a compound of formula (5) as shown in scheme 4.

Scheme 4: Process D-Synthesis of amides or thioamides (I-c)



W = halogen, —O—(C═O)R^{a1}, or —O—(C═O)(OR^{a1}) with R^{a1} being selected from the group consisting of C_1-C_6-alkyl and C_1-C_6-haloalkyl

R^1 = —C(═O)R^{a1}, and —C(═O)(OR^{a1} with R^{a1} and R^{a2} as described herein

Process D can be performed by means of methods described in the literature (e.g. Tetrahedron Lett. 1995, 36, 8949; Greene's Protective Groups in organic Synthesis; Peter G. M. Wuts; Wiley; Fifth Edition; 2014; 1174-1175).

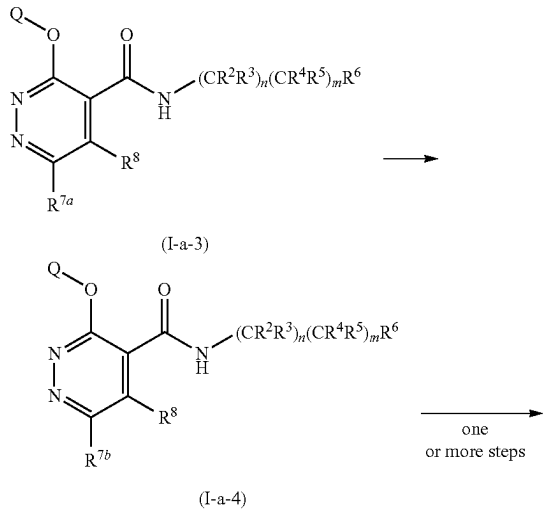
Compounds of formula (5) are commercially available.

Compounds of formula (I-a-2) or (I-b) can be prepared by one or more of the processes herein described.

Process E

A compound of formula (I-a-3) (i.e. formula (I) wherein R^1 is H, T is O, R^7 is R^{7a} as shown in scheme 5) can be converted by means of methods described in the literature to the corresponding compounds (I-a-4) (i.e. formula (I) wherein R^1 is H, T is O, R^7 is R^{7b} as shown in scheme 5) or (I-a-5) (i.e. formula (I) wherein R^1 is H, T is O, R^7 is R^{7c} as shown in scheme 5) in one or more steps as shown in scheme 5.

Scheme 5: Process E - Preparation of amides (I-a-4) and (I-a-5)



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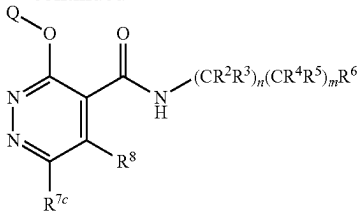


(I-a-5)

R^{7a} = hydrogen or halogen (preferably chlorine)

R^{7b} = hydrogen, halogen, cyano, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_2-C_6-alkenyl, C_2-C_6-haloalkenyl, C_2-C_6-alkynyl, C_2-C_6-haloalkynyl, C_1-C_6-alkylsulfanyl, C_1-C_6-haloalkylsulfanyl, C_3-C_8-cycloalkylsulfanyl, C_3-C_8-cycloalkyl, C_3-C_6-cycloalkenyl, aromatic, C_6-C_{14}-carbocycle, aromatic 5- or 6-membered monocyclic heterocycle, non-aromatic 3- to 7-membered monocyclic heterocycle, -N(R^e)$_2$, -C(=O)(OR^g)

R^{7c} = nitro, formyl, C_1-C_6-alkylcarbonyl, C_1-C_6-haloalkylcarbonyl, C_1-C_6-hydroxyalkyl, C_1-C_6-fluoroalkyl, C_1-C_6-alkylsulfinyl, C_1-C_6-haloalkylsulfinyl, C_3-C_8-cycloalkylsulfinyl, C_1-C_6-alkylsulfonyl, C_1-C_6-haloalkylsulfonyl, C_3-C_8-cycloalkylsulfonyl, -C(=NR^f)R^f, -C(=O)N(R^g)$_2$, -S(=O)(=NR^g)R^g, -S(=O)$_2$N(R^g)$_2$

In scheme 5, R^e, R^f, R^g are as disclosed herein and the aliphatic and cyclic substituents R^{7b}, R^{7c}, R^e, R^f, R^g may be substituted as disclosed herein.

Non-limiting examples of conversions performed in accordance with scheme 5 are provided below.

A compound of formula (I-a-3) wherein R^{7a} is a chlorine atom can be converted into a compound of formula (I-a-4) wherein R^{7b} is a bromine or an iodine atom by means of methods described in the literature (e.g. WO2016185342, WO2007022937).

A compound of formula (I-a-3) wherein R^{7a} is a halogen atom can be converted into a compound of formula (I-a-4) wherein R^{7b} is a hydrogen atom in the presence of a palladium catalyst as reported in the literature (Journal of Molecular Catalysis A: Chemical, 2014, 393, 191-209).

A compound of formula (I-a-3) wherein R^{7a} is a hydrogen atom or a halogen atom can be converted into a compound of formula (I-a-4) wherein R^{7b} is cyano, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_2-C_6-alkenyl, C_2-C_6-haloalkenyl, C_2-C_6-alkynyl, C_2-C_6-haloalkynyl, C_1-C_6-alkylsulfanyl, C_1-C_6-haloalkylsulfanyl, C_3-C_8-cycloalkyl, C_3-C_6-cycloalkenyl, aromatic C_6-C_{14}-carbocycle, aromatic 5- or 6-membered monocyclic heterocycle, non-aromatic 3- to 7-membered monocyclic heterocycle, —N(R^e)$_2$ or —C(=O)(OR^g) by transition metal catalyzed or metallo-photoredox catalyzed processes as described herein.

A compound of formula (I-a-4) wherein R^{7b} is a C_2-C_6-alkenyl group substituted by a C_1-C_3-alkoxy can be converted into a compound of formula (I-a-5) wherein R^{7c} is a C_1-C_6-alkylcarbonyl group by means of methods described in the literature (e.g. J. Org. Chem. 1993, 55, 3114).

The compound of formula (I-a-5) wherein R^{7c} is a C_1-C_6-alkylcarbonyl group can be further converted in a compound of formula (I-a-5) wherein R^{7c} is —C(=NR^f)—C_1-C_6-alkyl group by methods described in the literature (e.g. Greene's Protective Groups in organic Synthesis; Peter G. M. Wuts; Wiley; Fifth Edition; 2014; 655, 661, 667).

A compound of formula (I-a-5) wherein R^{7c} is a C_1-C_6-alkylcarbonyl group can be further converted in a compound of formula (I-a-5) wherein R^{7c} is C_1-C_6-hydroxyalkyl group by classical functional group interconversion such as reductions of ketones to alcohols in the presence of $NaBH_4$ in MeOH.

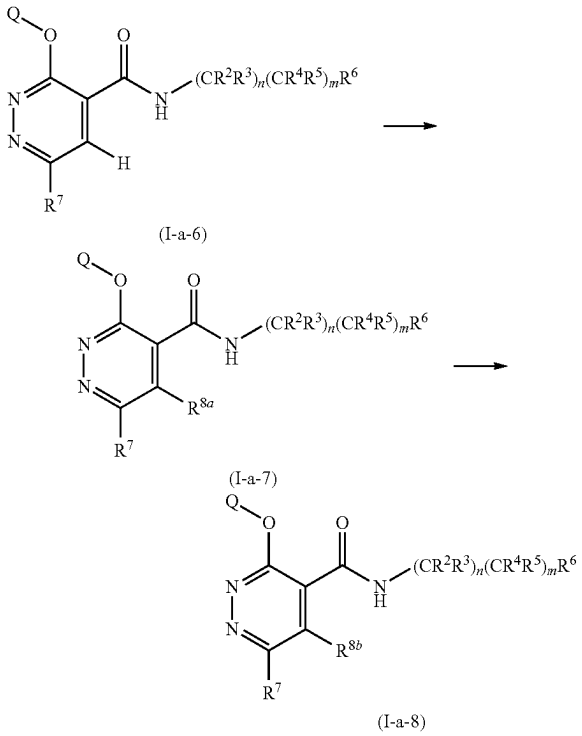
A compound of formula (I-a-5) wherein R^{7c} is C_1-C_6-hydroxyalkyl group can be further converted into a compound (I-a-5) wherein R^{7c} is C_1-C_6-fluoroalkyl in the presence of a fluorinating agent. Non-limitative examples of fluorinating agents include sulfur fluorides such as sulfur tetrafluoride, diethylaminosulfurtrifluoride, morpholinosulfur trifluoride, bis(2-methoxyethyl)aminosulfur trifluoride, 2,2-difluoro-1,3-dimethylimidazolidine or 4-tert-butyl-2,6-dimethylphenylsulfur trifluoride.

A compound of formula (I-a-3) can be prepared by one or more of the processes herein described.

Process F

A compound of formula (I-a-6) (i.e. formula (I) wherein R^1 is H, T is O, R^7 is halogen and R^8 is hydrogen) can be converted by means of methods described in the literature to the corresponding compound of formula (I-a-7) (i.e. formula (I) wherein R^1 is H, T is O, R^7 is halogen and R^8 is R^{8a} as shown in scheme 6) or compound of formula (I-a-8) (i.e. formula (I) wherein R^1 is H, T is O, R^7 is halogen and R^8 is R^{8b} as shown in scheme 6) in one or more steps as shown in scheme 6.

Scheme 6: Process F-Preparation of amides (I-a-7) and (I-a-8)



R^7 = halogen

R^{8a} = halogen, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-hydroxyalkyl, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, C_3-C_6-cycloalkenyl, aromatic C_6-C_{14}-carbocycle, 5- to 14-membered aromatic hetercycle, 3- to 14-membered non-aromatic heterocycle;

R^{8b} = halogen, cyano, nitro, amino, mercapto, hydroxyl, C_2-C_6-alkenyl, C_2-C_6-alkenyl, C_2-C_6-haloalkenyl, C_2-C_6-alkynyl, C_2-C_6-haloalkynyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_2-C_6-alkenyloxy, C_2-C_6-haloalkenyloxy, C_2-C_6-alkynyloxy, C_2-C_6-haloalkynyloxy, C_3-C_8-cycloalkyl, C_3-C_6-cycloalkenyl, aromatic 5- to 14-membered heterocycle, C_2-C_8-cycloalkyloxy, aromatic C_6-C_{14}-carbocyclyloxy, non-aromatic 3- to 14-membered heterocyclyloxy, aromatic 5- to 14-membered heterocyclyloxy, —N(R^h)$_2$, —SR^i, —S(=O)R^i and —S(=O)$_2R^i$;

In scheme 6, R^h and R^i are as disclosed herein and the aliphatic and cyclic substituents R^{8a} and R^{8b} may be substituted as disclosed herein.

Non-limiting examples of conversions performed in accordance with scheme 6 are provided below.

A compound of formula (I-a-6) can be converted into a compound of formula (I-a-7) wherein R^{8a} is a halogen atom

in the presence of a base and an electrophile such as NCS, NBS, NIS, hexachloroethane, bromine or iodine by means of methods described in the literature (e.g. Org. Lett. 2009, 11, 1837). Suitable bases for carrying out the process can be selected from lithium-diisopropylamide, lithium 2,2,6,6-tetramethylpiperidide, n-butyl lithium, methyl lithium, TMPZnCl.LiCl (2,2,6,6-tetramethylpiperidinylzinc chloride lithium chloride complex), $TMP_2Zn.2MgCl_2.2LiCl$ (bis(2,2,6,6-tetramethylpiperidinyl)zinc magnesium chloride lithium chloride complex), see e.g. Dissertation Albrecht Metzer 2010, University Munich.

A compound of formula (I-a-6) can be converted into a compound of formula (I-a-7) wherein R^{8a} is a C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-hydroxyalkyl, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, C_3-C_6-cycloalkenyl, aromatic C_6-C_{14}-carbocycle, 5- to 14-membered aromatic heterocycle or a 3- to 14-membered non-aromatic heterocycle, optionally in the presence of a base, and when appropriate in the presence of a transition metal catalyst such as a metal salt or complex and a ligand as described herein or by methods described in the literature (Heterocycles 1976, 4(8), 1331).

A compound of formula (I-a-7) wherein R^{8a} is a halogen atom can be converted in a compound of formula (I-a-8) wherein R^{8b} represents cyano, nitro, amino, mercapto, hydroxyl, C_2-C_6-alkenyl, C_2-C_6-haloalkenyl, C_2-C_6-alkynyl, C_2-C_6-haloalkynyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_2-C_6-alkenyloxy, C_2-C_6-haloalkenyloxy, C_3-C_8-cycloalkyl, C_3-C_6-cycloalkenyl, aromatic 5- to 14-membered heterocycle, C_3-C_8-cycloalkyloxy, aromatic C_6-C_{14}-carbocyclyloxy, non-aromatic 3- to 14-membered heterocyclyloxy, aromatic 5- to 14-membered heterocyclyloxy, —$N(R^h)_2$ or SR^i in the presence of a base and optionally in the presence of a transition metal catalyst such as a metal salt or complex, and if appropriate in the presence of a ligand.

A compound of formula (I-a-8) wherein R^{8b} is a C_2-C_6-alkenyl group can be further converted in a compound of formula (I-a-8) wherein R^{8b} is C_1-C_6-alkyl substituted by C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_1-C_6-alkoxy-C_1-C_6-alkoxy, C_1-C_6-alkylsulfanyl, C_1-C_6-haloalkylsulfanyl, non-aromatic 3- to 7-membered monocyclic heterocycle and —$N(R^{a'})_2$ with $R^{a'}$ being independently selected from the group consisting of hydrogen, C_1-C_6-alkyl, C_1-C_6-haloalkyl and C_3-C_8-cycloalkyl, by treating the reacting compound of formula (I-a-8) with an oxygen, a sulfur or an amino based nucleophile.

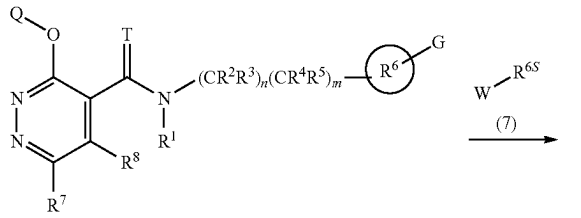
A compound of formula (I-a-8) wherein R^{8b} is a SR^i group can be further converted in a compound of formula (I-a-8) wherein R^{8b} is a —S(=O)R^i, or a —$S(=O)_2R^i$ group by reacting the starting compound of formula (I-a-8) with an oxidant such as hydrogen peroxide.

A compound of formula (I-a-6) can be prepared by one or more of the processes herein described.

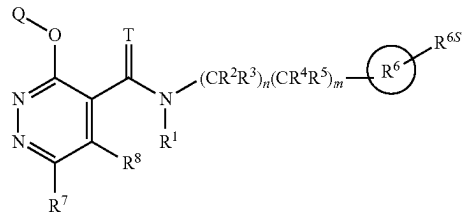
Process G

A compound of formula (I-d) (i.e. formula (I) wherein R^{6S} is halogen) or a compound of formula (6) can be reacted with a compound of formula (7) to provide a compound of formula (I-e) (i.e. formula (I) wherein R^{6S} is as shown in scheme 7) as shown in scheme 7.

Scheme 7: Process G- Synthesis of amides or thioamides (I-e)



(I-d): G = G^1
(6) G = G^2



(I-e)

G^1 = halogen
G^2 = leaving group (e.g. O-S(=O)$_2$-C_1-C_6-alkyl or O-S(=O)$_2$-aryl, e.g. triflate, mesylate or a tosylate group)
W = hydrogen, halogen, a boronic acid, a boronic ester derivative or a potassium trifluoroborate derivative, or -Sn(C_1-C_6-alkyl)$_3$, -MgX, -ZnX with X being halogen
R^{6S} = cyano, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_2-C_6-alkenyl, C_2-C_6-haloalkenyl, C_2-C_6-alkynyl, C_2-C_6-haloalkynyl, C_1-C_6-alkylsulfanyl, C_1-C_6-haloalkylsulfanyl, C_3-C_8-cycloalkyl, C_3-C_8-cycloalkenyl, aromatic C_6-C_{14}-carbocycle, aromatic 5- or 6-membered monocyclic heterocycle, non-aromatic 3- to 7-membered monocyclic heterocycle

In scheme 7, aliphatic and cyclic R^{6S} substituents may be substituted as disclosed herein.

Process G can be performed by metal catalysis as described herein.

Alternatively, process G can be performed by metallo-photoredox catalysis. More specifically, a compound of formula (I-d), wherein G^1 is preferably Br or I, can be converted to a compound of formula (I-e) by a metallo-photoredox catalysed process in the presence a photosensitizer such as Ir and Ru complexes or organic dyes and metal catalysts such as Ni complexes. The reaction can be performed in the presence of a ligand and if appropriate in the presence of a base under irradiation with blue or white light.

A compound of formula (I-d) can be prepared by one or more of the processes herein described.

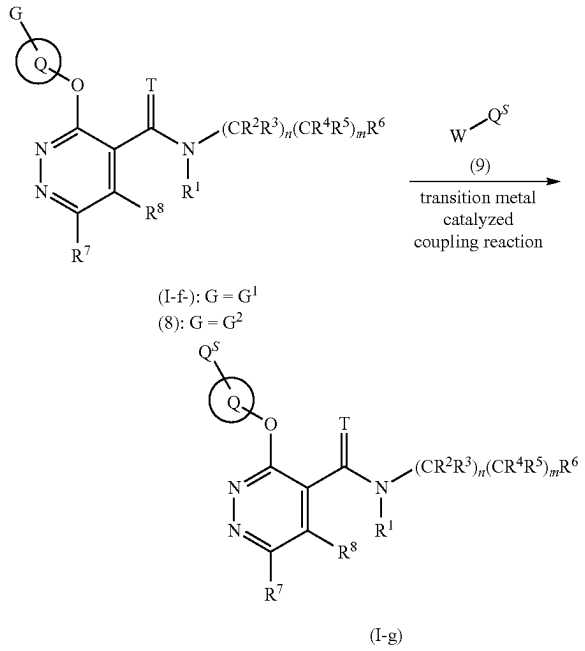
A compound of formula (6) can be prepared by well-known methods.

Compounds of formula (7) are commercially available.

Process H

A compound of formula (I-f) (i.e. formula (I) wherein Q^S is halogen) or a compound of formula 8 can be reacted with a compound of formula 9 to provide a compound of formula (I-g) (i.e. formula (I) wherein Q^S is as shown in scheme 8) as shown in scheme 8.

Scheme 8: Process H- Synthesis of amides or thioamides (I-g)



G^1 = halogen

G^2 = leaving group, e.g. O-S(=O)$_2$-C_1-C_6-alkyl or O-S(=O)$_2$-aryl

W = hydrogen, halogen, a boronic acid, a boronic ester dervative or a potassium trifluoroborate derivative, or-Sn(C_1-C_6-alkyl)$_3$, -MgX, -ZnX with X being halogen

Q^S = cyano, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_2-C_6-alkenyl, C_2-C_6-haloalkenyl, C_2-C_6-alkynyl, C_2-C_6-haloalkynyl, C_3-C_8-cycloalkyl, C_3-C_6-cycloalkenyl, non-aromatic 3- to 7-membered monocyclic heterocycle, aromatic 5- to 6-membered heterocycle

In scheme 8, aliphatic and cyclic Cr substituents may be substituted as disclosed herein.

Process H can be performed by transition metal catalysis.

Alternatively, process H can be performed by metallo-photoredox catalysis. More specifically, a compound of formula (I-f), wherein G^1 is preferably Br or I, can be converted to a compound of formula (I-g) by a metallo-photoredox catalysed process in the presence a photosensitizer such as Ir and Ru complexes or organic dyes and metal catalysts such as Ni complexes. The reaction can be performed in the presence of a ligand and if appropriate in the presence of a base under irradiation with blue or white light.

A compound of formula (I-f) can be prepared by one or more of the processes herein described.

A compound of formula (8) can be prepared by well-known methods.

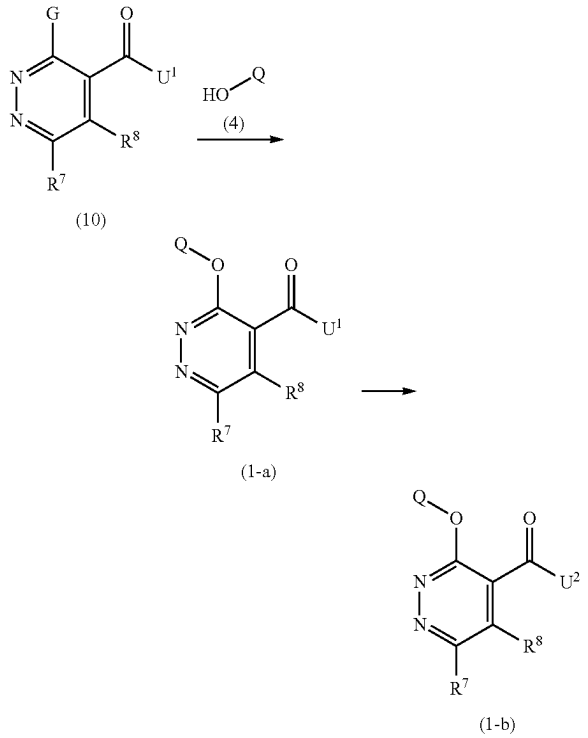
Compounds of formula (9) are commercially available.

Processes for the Preparation of a Compound of Formula (1) A compound of formula (1) may be directly obtained by performing process I described below or may be obtained by conversion or derivatization of another compound of formula (1) prepared in accordance with the processes described herein. Compounds of formula (1-a)-(1-e) are various subsets of formula (1).

Process I

A compound of formula (1-a) (i.e. formula (1) wherein R^7 and R^8 are as defined in scheme 9) can be prepared by a process comprising the step of reacting a compound of formula (10) with a reagent of formula (4) as shown in scheme 9 in the presence of a base.

Scheme 9: Process I- Preparation of compounds (1-a) and (1-b)



U^1 = C_1-C_6-alkoxy

U^2 = hydroxyl, halogen

G = halogen

R^8 = hydrogen, C_1-C_6-alkyl

R^7 = hydrogen, halogen, hydroxyl, mercapto, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_2-C_6-alkenyloxy, C_2-C_6-haloalkenyloxy, C_2-C_6-alkynyloxy, C_2-C_6-haloalkynyloxy, C_1-C_6-alkysulfanyl, C_1-C_6-haloalkylsulfanyl, C_3-C_8-cycloalkylsulfanyl, C_3-C_8-cycloalkyl, C_3-C_6-cycloalkenyl, C_3-C_8-cycloalkyloxy, aromatic C_6-C_{14}-carbocyclyloxy, aromatic 5- or 6-membered monocyclic heterocyclyloxy, non-aromatic 3- to 7-membered monocyclic heterocyclyloxy, -N(R^e)$_2$

In scheme 9, R^e is as disclosed herein and R^7, R^8 and R^e may be substituted as disclosed herein. Process I can be performed in the presence of suitable transition metal catalyst salts or complexes, if appropriate in the presence of a ligand.

The obtained compound of formula (1-a) can then be converted into a compound of formula (1-b) in one or more steps.

Non-limiting examples of such conversion are described below.

Compounds of formula (1-a) wherein U^1 is a C_1-C_6-alkoxy can be converted to compounds of formula (1-b) wherein U^2 is a hydroxyl group by well-known functional group interconversion methods, for example by hydrolysis of an ester group with LiOH in THF/water.

Compounds of formula (1-b) wherein U^2 is a hydroxyl can be converted to compounds of formula (1-b) wherein U^2 is a halogen in the presence of halogenating agents by well-known methods. Suitable halogenating reagents include, but are not limited to, phosphorous tribromide, phosphorous trichloride, phosphorous pentachloride, phosphorous trichloride oxide, oxalyl chloride or thionyl chloride.

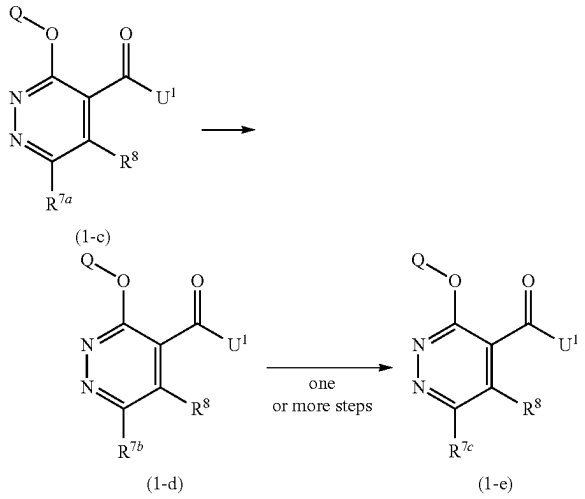
Compounds of formula (10) are commercially available or may be prepared by process M described herein.

Compounds of formula (4) are commercially available or may be obtained by conversion or derivatization of another compound of formula (4) in accordance to well-known methods.

Process J

A compound of formula (1-c) (i.e. formula (1) wherein R^7 is R^{7a} as defined in scheme 10) can be converted by means of know methods to the corresponding compounds of formula (1-d) (i.e. formula (1) wherein R^7 is R^{7b} as defined in scheme 10) or (1-e) (i.e. formula (1) wherein R^7 is R^{7c} as defined in scheme 10) in one or more steps as shown in scheme 10.

Scheme 10: Process J-Preparation of compounds (1-d) or (1-e)



U^1 = C_1-C_6-alkoxy

R^{7a} = hydrogen or halogen (preferably chlorine)

R^{7b} = hydrogen, halogen, cyano, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_2-C_6-alkenyl, C_2-C_6-haloalkenyl, C_2-C_6-alkynyl, C_2-C_6-haloalkynyl, C_1-C_6-slkylsulfanyl, C_1-C_6-haloalkylsulfanyl, C_2-C_8-sycloalkylsulfanyl, C_3-C_8-cycloalkyl, C_3-C_6-cycloalkenyl, aromatic C_6-C_{14}-carbocycle, aromatic 5- or 6-membered monocyclic heterocycle, non-aromatic 3- to 7-membered monocyclic heterocyle, —$N(R^e)_2$, —$C(=O)(OR^g)$

R^{7c} = nitro, formyl, C_1-C_6-alkylcarbonyl, C_1-C_6-haloalkylcarbonyl, C_1-C_6-hydroxyalkyl, C_1-C_6-fluoroalkyl, C_1-C_6-alkylsulfinyl, C_1-C_6-haloalkylsulfinyl, C_3-C_8-cycloalkylsulfinyl, C_1-C_6-alkylsulfonyl, C_1-C_6-haloalkylsulfonyl, C_3-C_8-cycloalkylsulfonyl, —$C(=NR^f)R^f$, —$C(=O)N(R^g)_2$, —$S(=O)(=NR^g)(R^g$, —$S(=O)_2N(R^g)_2$

In scheme 10, R^e, R^f, R^g are as disclosed herein and the aliphatic and cyclic substituents R^{7b}, R^{7c}, R^e, R^f, R^g may be substituted as disclosed herein.

Non-limiting examples of conversion may be performed in accordance the description provided in process E.

The obtained compound of formula (1-d) and (1-e) can then be converted into compound of formula (1-d) and (1-e) wherein U^1 (C_1-C_6-alkoxy) is replaced with hydroxyl or halogen.

Examples of such conversion are described below.

Compounds of formula (1-c), (1-d), (1-e) wherein U^1 is a C_1-C_6-alkoxy can be converted to compounds of formula (1-b), (1-c), (1-d) wherein U^1 is replaced with a hydroxyl group by well-known functional group interconversion methods, for example by hydrolysis of an ester group with LiOH in THF/water.

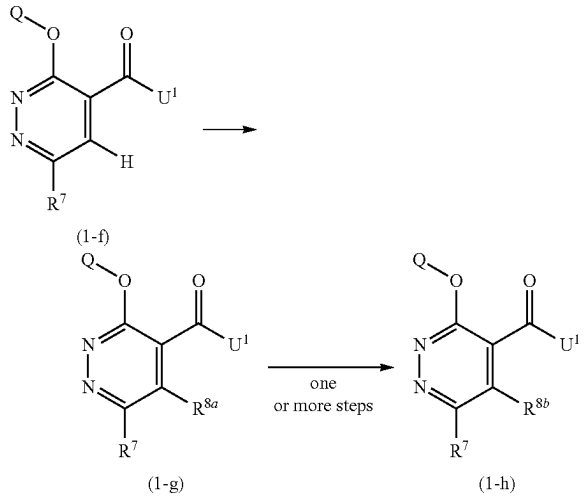
Compounds of formula (1-c), (1-d), (1-e) wherein U^1 has been replaced with a hydroxyl can then be further converted to compounds of formula (1-b), (1-c), (1-d) wherein the hydroxyl is replaced with a halogen in the presence of halogenating agents by well-known methods. Suitable halogenating reagents include, but are not limited to, phosphorous tribromide, phosphorous trichloride, phosphorous pentachloride, phosphorous trichloride oxide, oxalyl chloride or thionyl chloride.

Compounds of formula (1-c) can be prepared by one or more of the processes described herein.

Process K

A compound of formula (1-f) (i.e. formula (1) wherein R^8 is H) can be converted by means of methods described in the literature to the corresponding compound of formula (1-g) (i.e. formula (1) wherein R^8 is R^a as defined in scheme 11) or compound of formula (1-h) (i.e. formula (1) wherein R^8 is R^{8b} as defined in scheme 11) in one or more steps as shown in scheme 11.

Scheme 11: Process K-Preparation of compounds (1-g) or (1-h)



U^1 = C_1-C_6-alkoxy

R^{8a} =halogen, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-hydroxyalkyl, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, C_3-C_6-cycloalkenyl, aromatic C_6-C_{14}-carbocycle, 5- to 14-membered aromatic heterocycle, 3- to 14-membered non-aromatic heterocycle;

R^{8b} = halogen, cyano, nitro, amino, mercapto, hydroxyl, C_2-C_6-alkenyl, C_2-C_6-haloalkenyl, C_2-C_6-alkynyl, C_2-C_6-haloalkynyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_2-C_6-alkenyloxy, C_2-C_6-haloalkenyloxy, C_2-C_6-alkylnyloxy, C_2-C_6-haloalkynyloxy, C_3-C_8-cycloalkyl, C_3-C_6-cycloalkenyl, aromatic 5- to 14-membered heterocycle, C_3-C_8-cycloalkyloxy, aromatic C_6-C_{14}-carbocyclyloxy, non-aromatic 3- to 14-membered heterocyclyloxy, aromatic 5- to 14-membered heterocyclyloxy, —$N(R^h)_2$, —SR^i, —$S(=O)R^i$ and —$S(=O)_2R^i$

In scheme 11, R^h and R^i are as disclosed herein and the aliphatic and cyclic substituents R^{8a} and R^{8b} may be substituted as disclosed herein.

Non-limiting examples of conversion may be performed in accordance the description provided in process F.

The obtained compound of formula (1-f) and (1-g) can then be converted into compound of formula (1-f) and (1-g) wherein U^1 (C_1-C_6-alkoxy) is replaced with hydroxyl or halogen.

Compounds of formula (1-f), (1-g), (1-h) wherein U^1 is a C_1-C_6-alkoxy can be converted to compounds of formula (1-f), (1-g), (1-h) wherein U^1 is replaced with a hydroxyl group by well-known functional group interconversion methods, for example by hydrolysis of an ester group with LiOH in THF/water.

Compounds of formula (1-f), (1-g), (1-h) wherein U^1 has been replaced with a hydroxyl can then be further converted to compounds of formula (1-f), (1-g), (1-h) wherein the

hydroxyl is replaced with a halogen in the presence of halogenating agents by well-known methods. Suitable halogenating reagents include, but are not limited to, phosphorous tribromide, phosphorous trichloride, phosphorous pentachloride, phosphorous trichloride oxide, oxalyl chloride or thionyl chloride.

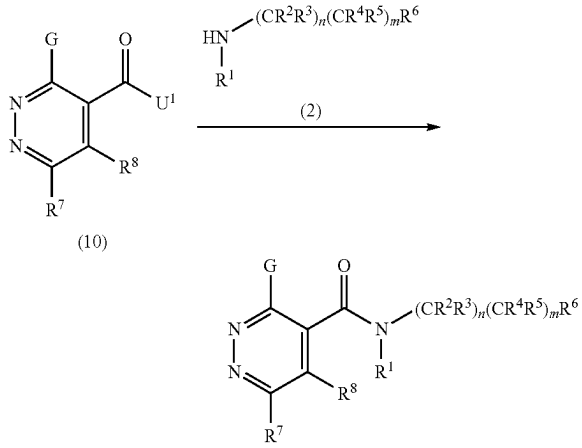
Compounds (1-f) can be prepared by one or more of the processes described herein.

Process for the Preparation of Compound of Formula (3)

Process L

A compound of formula (3) can be prepared by a process comprising the step of reacting a compound of formula (10) with an amine of formula (2) as shown in scheme 13.

Scheme 12: Process L-Synthesis of amides (3)



(10) (3)

U^1 = hydroxyl, halogen, C_1-C_6-alkoxy

G = halogen

R^1 = hydrogen, hydroxyl, C_1-C_6-alkyl, C_1-C_6-alkoxy

R^8 = hydrogen, C_1-C_6-alkyl

R^7 = hydrogen, halogen, hydroxyl, mercapto, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_2-C_6-alkenyloxy, C_2-C_6-haloalkenyloxy, C_2-C_6-alkynyloxy, C_2-C_6-haloalkynyloxy, C_1-C_6-alkylsulfanyl, C_1-C_6-haloalkylsulfanyl, C_3-C_8-cycloalkylsulfanyl, C_3-C_8-cycloalkyl, C_3-C_6-cycloalkenyl, C_3-C_8-cycloalkyloxy, aromatic C_6-C_{14}-carbocyclyloxy, aromatic 5- or 6-membered monocyclic heterocyclyloxy, non-aromatic 3- to 7-membered monocyclic heterocyclyloxy, —$N(R^e)_2$; wherein R^e as disclosed herein and wherein R^7 and R^e may be substituted as disclosed herein.

Process L can be performed using the same conditions as described in process A.

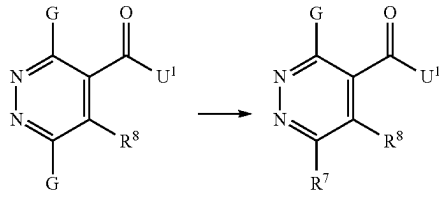
Compounds of formula (10) are commercially available or can be obtained by process M.

Process for the Preparation of Compound of Formula (10)

Process M

A compound of formula (10-a) (i.e. compound of formula 10 wherein R^7 is halogen) can be converted by means of known methods (WO2000044755) into a compound of formula (10-b) (i.e. compound of formula 10 wherein R^7 is as shown in scheme 13) in the presence of either an oxygen (ethanol), a sulfur (thioethyl) or an amino (methylamine) based nucleophile, optionally in the presence of base as shown in scheme 13.

Scheme 13: Process M-Preparation of compounds (10-b)



(10-a) (10-b)

U^1 = C_1-C_6-alkoxy

G = halogen

R^8 = hydrogen, C_1-C_6-alkyl

R^7 = halogen, hydroxyl, mercapto, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_2-C_6-alkenyloxy, C_2-C_6-haloalkenyloxy, C_2-C_6-alkynyloxy, C_2-C_6-haloalkynyloxy, C_1-C_6-alkylsulfanyl, C_1-C_6-haloalkylsulfanyl, C_3-C_8-cycloalkylsulfanyl, C_3-C_8-cycloalkyloxy, aromatic C_6-C_{14}-carbocyclyloxy, aromatic 5- or 6-membered monocyclic heterocyclyloxy, non-aromatic 3- to 7-membered monocyclic heterocyclyloxy, —$N(R^e)_2$; wherein R^e as disclosed herein and wherein R^7 and R^e may be substituted as disclosed herein.

The compounds of formula (10-a) and (10-b) can be converted into compound of formula (10-a) and (10-b) wherein U^1 (C_1-C_6-alkoxy) is replaced with hydroxyl or halogen using the same conditions as described in process K.

Starting materials of formula (10-a) are commercially available.

Compounds according to the invention can be prepared according to the above described processes.

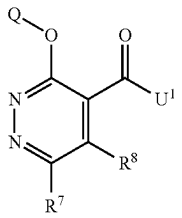
It will nevertheless be understood that, on the basis of his general knowledge and of available publications, the skilled worker will be able to adapt these processes according to the specifics of each of the compounds according to the invention that is desired to be synthesized.

Intermediates for the Preparation of a Compound of Formula (I)

The present invention also relates to intermediates for the preparation of compounds of formula (I).

Intermediates according to the invention are compounds of formula (1):

(1)



wherein Q is as described herein;

U^1 represents hydroxyl, halogen, C_1-C_6-alkoxy;

R^7, R^8 are as described herein and do not represent simultaneously hydrogen, C_1-C_6-alkyl, and aromatic C_6-C_{14}-carbocycle;

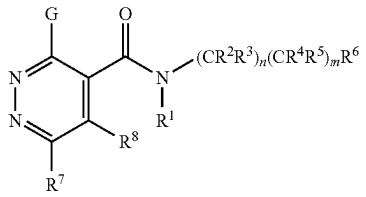
provided that the compound of formula (1) is not:

methyl 6-chloro-3-(2,4-difluorophenoxy)pyridazine-4-carboxylate	1007571-73-4
6-chloro-3-[(8-formyl-4-methyl-2-oxo-2H-chromen-7-yl)oxy]pyridazine-4-carboxylic acid	953070-74-1
6-chloro-3-[(3-formyl-7-methylquinolin-2-yl)oxy]pyridazine-4-carboxylic acid	953070-59-2
6-chloro-3-{[4-formyl-5-(hydroxymethyl)-2-methylpyridin-3-yl]oxy}pyridazine-4-carboxylic acid	953070-45-6

-continued

6-chloro-3-[(1-formyl-2-naphthyl)oxy]pyridazine-4-carboxylic acid	953070-36-5
6-chloro-3-(2-formyl-5-methoxyphenoxy)pyridazine-4-carboxylic acid	953070-24-1
ethyl 3-phenoxy-6-phenylpyridazine-4-carboxylate	338752-99-1

Intermediates according to the present invention are compounds of formula (3):



(3)

wherein

G is halogen,

n=1 and m=1,

R^1 is hydrogen

R^2, R^3, are hydrogen

R^4 and R^5 are hydrogen or fluorine,

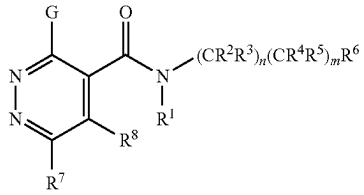
R^6 is selected from the group consisting of non-aromatic polycyclic C_7-C_{12}-carbocycle, aromatic C_6-C_{14}-carbocycle (phenyl) and non-aromatic 6- to 14-membered polycyclic heterocycle,

R^7 is selected from the group consisting of hydrogen, halogen, hydroxyl, mercapto, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_2-C_6-alkenyloxy, C_2-C_6-haloalkenyloxy, C_2-C_6-alkynyloxy, C_2-C_6-haloalkynyloxy, C_1-C_6-alkylsulfanyl, C_1-C_6-haloalkylsulfanyl, C_3-C_8-cycloalkyl, C_3-C_6-cycloalkenyl, C_3-C_8-cycloalkyloxy, aromatic C_6-C_{14}-carbocyclyloxy, aromatic 5- or 6-membered monocyclic heterocyclyloxy, non-aromatic 3- to 7-membered monocyclic heterocyclyloxy and —$N(R^e)_2$ with R^e being as disclosed herein and wherein R^7 and R^e may be substituted as disclosed herein,

R^8 is hydrogen or C_1-C_6-alkyl,

provided that the compound of formula (3) is not (r4 r5 both hydrogen)

Further intermediates are compounds of formula (3):



(3)

wherein

G is halogen,

n=0 and m=0,

R^1 is hydrogen, hydroxyl, C_1-C_6-alkyl or C_1-C_6-alkoxy,

R^6 is selected from the group consisting of non-aromatic polycyclic C_7-C_{12}-carbocycle and non-aromatic 7- to 14-membered polycyclic heterocycle,

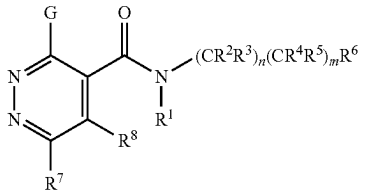
R^7 is selected from the group consisting of hydrogen, halogen, hydroxyl, mercapto, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_2-C_6-alkenyloxy, C_2-C_6-haloalkenyloxy, C_2-C_6-alkynyloxy, C_2-C_6-haloalkynyloxy, C_1-C_6-alkylsulfanyl, C_1-C_6-haloalkylsulfanyl, C_3-C_8-cycloalkyl, C_3-C_6-cycloalkenyl, C_3-C_8-cycloalkyloxy, aromatic C_6-C_{14}-carbocyclyloxy, aromatic 5- or 6-membered monocyclic heterocyclyloxy, non-aromatic 3- to 7-membered monocyclic heterocyclyloxy and —$N(R^e)_2$ with R^e being as disclosed herein and wherein R^7 and R^e may be substituted as disclosed herein,

3,6-dichloro-N42-(3,5-difluorophenypethyl+pyridazine-4-carboxamide	1963486-79-4
3,6-dichloro-N42-(3-methylphenypethyl+pyridazine-4-carboxamide	1963267-34-6
3,6-dichloro-N42-(3-chlorophenypethyl+pyridazine-4-carboxamide	1961466-79-4
3,6-d ichloro-N42-(4-fluoro-2-methylphenypethyl+pyridazine-4-carboxamide	1958752-63-0
3,6-dichloro-N42-(3-methoxyphenypethyl+pyridazine-4-carboxamide	1939713-84-4
3,6-dichloro-N42-(2-methylphenypethyl+pyridazine-4-carboxamide	1931068-89-1
3,6-dichloro-N42-(4-hydroxyphenypethyl+pyridazine-4-carboxamide	1930978-66-7
3,6-dichloro-N42-(3-fluorophenypethyl+pyridazine-4-carboxamide	1930464-33-7
3,6-d ichloro-N-+2-(2-m ethoxyphenyl)ethyl+pyridazine-4-carboxamide	1926106-33-3
3,6-d ichloro-N-+2-(4-m ethoxyphenyl)ethyl+pyridazine-4-carboxamide	1917672-49-1
3,6-d ichloro-N42-(4-fluorophenypethyl+pyridazine-4-carboxamide	1916146-17-2
3,6-dichloro-N42-(2,4-dichlorophenypethyl+pyridazine-4-carboxamide	1912316-22-3
3,6-dichloro-N42-(2-fluorophenypethyl+pyridazine-4-carboxamide	1911438-43-1
3,6-dichloro-N-(2-phenylethyl)pyridazine-4-carboxamide	199478-02-9

R^8 is hydrogen or C_1-C_6-alkyl,
provided that the compound of formula (3) is not

rel-3,6-dichloro-N-[(1R,2S)-2-hydroxy-2,3-dihydro-1H-inden-1-yl]pyridazine-4-carboxamide	1971154-81-0
3,6-dichloro-N-(3,4-dihydro-2H-thiochromen-4-yl)pyridazine-4-carboxamide	1963331-87-4
3,6-dichloro-N-(2,3-dihydro-1-benzofuran-3-yl)pyridazine-4-carboxamide	1961467-92-4
3,6-dichloro-N-(4,5,6,7-tetrahydro-1-benzothiophen-4-yl)pyridazine-4-carboxamide	1942812-74-9
3,6-dichloro-N-(2,3-dihydro-1H-inden-1-yl)pyridazine-4-carboxamide	1942811-70-2
3,6-dichloro-N-(1,2,3,4-tetrahydronaphthalen-2-yl)pyridazine-4-carboxamide	1930978-86-1
3,6-dichloro-N-(4,5,6,7-tetrahydro-1-benzofuran-4-yl)pyridazine-4-carboxamide	1927604-75-8
3,6-dichloro-N-(3,4-dihydro-2H-chromen-4-yl)pyridazine-4-carboxamide	1912470-99-5
3,6-dichloro-N-(1,2,3,4-tetrahydronaphthalen-1-yl)pyridazine-4-carboxamide	1912469-89-6
3,6-dichloro-N-(1H-indazol-3-yl)pyridazine-4-carboxamide	1482112-42-4
3,6-dichloro-N-(2-hydroxy-2,3-dihydro-1H-inden-1-yl)pyridazine-4-carboxamide	1293136-37-4
3,6-dichloro-N-(4-methylcycloheptyl)pyridazine-4-carboxamide	1991622-18-4
3,6-dichloro-N-(2-methylcycloheptyl)pyridazine-4-carboxamide	1963487-84-4
3,6-dichloro-N-(9-methyl-9-azabicyclo[3.3.1]nonan-3-yl)pyridazine-4-carboxamide	1963487-78-6
3,6-dichloro-N-(1-methyl-4,5,6,7-tetrahydro-1H-indazol-4-yl)pyridazine-4-carboxamide	1963485-29-1
N-(1-benzothiophen-5-yl)-3,6-dichloropyridazine-4-carboxamide	1963485-06-4
3,6-dichloro-N-(1H-indazol-7-yl)pyridazine-4-carboxamide	1963332-46-8
3,6-dichloro-N-(1,3,3-trimethylbicyclo[2.2.1]heptan-2-yl)pyridazine-4-carboxamide	1963268-26-9
3,6-dichloro-N-(1H-indol-5-yl)pyridazine-4-carboxamide	1963266-43-4
3,6-dichloro-N-(1,7,7-trimethylbicyclo[2.2.1]heptan-2-yl)pyridazine-4-carboxamide	1961466-74-9
3,6-dichloro-N-cycloheptyl-N-methylpyridazine-4-carboxamide	1961466-15-8
3,6-dichloro-N-(5,6,7,8-tetrahydronaphthalen-1-yl)pyridazine-4-carboxamide	1961465-77-9
3,6-dichloro-N-(octahydro-1H-4,7-methanoinden-5-yl)pyridazine-4-carboxamide	1958753-78-0
3,6-dichloro-N-(tricyclo[3.3.1.1^{3,7}]decan-2-yl)pyridazine-4-carboxamide	1942811-90-6
3,6-dichloro-N-(1-cyanocyclooctyl)pyridazine-4-carboxamide	1939855-37-4
3,6-dichloro-N-(2,3-dihydro-1H-inden-2-yl)pyridazine-4-carboxamide	1939855-34-1
N-(bicyclo[2.2.1]heptan-2-yl)-3,6-dichloropyridazine-4-carboxamide	1931071-17-8
3,6-dichloro-N-(tricyclo[3.2.1.0^{2,4}]octan-3-yl)pyridazine-4-carboxamide	1927867-21-7
3,6-dichloro-N-(1-cyanocycloheptyl)pyridazine-4-carboxamide	1927604-66-7
3,6-dichloro-N-(2,3-dihydro-1H-inden-1-yl)-N-methylpyridazine-4-carboxamide	1927604-33-8
3,6-dichloro-N-(2-hydroxycycloheptyl)pyridazine-4-carboxamide	1920574-97-5
3,6-dichloro-N-(2,3-dihydro-1H-inden-5-yl)pyridazine-4-carboxamide	1916145-93-1
3,6-dichloro-N-(tricyclo[3.3.1.1^{3,7}]decan-1-yl)pyridazine-4-carboxamide	1915386-75-2
3,6-dichloro-N-cyclooctylpyridazine-4-carboxamide	1912469-87-4
3-{[(3,6-dichloropyridazin-4-yl)carbonyl]amino}bicyclo[2.2.1]heptane-2-carboxylic acid	1562074-06-9
2-{[(3,6-dichloropyridazin-4-yl)carbonyl]amino}cycloheptanecarboxylic acid	1509304-68-0
3,6-dichloro-N-(2,3-dihydro-1-benzofuran-5-yl)pyridazine-4-carboxamide	1961467-28-6
3,6-dichloro-N-(octahydroindolizin-1-yl)pyridazine-4-carboxamide	1961467-09-3
3,6-dichloro-N-(3-cyano-5,6-dihydro-4H-cyclopenta[b]thiophen-2-yl)pyridazine-4-carboxamide	1939278-48-4
3,6-dichloro-N-(octahydroindolizin-7-yl)pyridazine-4-carboxamide	1930979-01-3
3,6-dichloro-N-(hexahydro-1H-pyrrolizin-1-yl)pyridazine-4-carboxamide	1930978-29-2
3,6-dichloro-N-(6-chloro-1,3-benzodioxol-5-yl)pyridazine-4-carboxamide	1930464-71-3
3,6-dichloro-N-(5,6-dihydro-4H-cyclopenta[d][1,3]thiazol-2-yl)pyridazine-4-carboxamide	1927604-87-2
3,6-dichloro-N-(2-oxoazepan-3-yl)pyridazine-4-carboxamide	1924934-65-5
3,6-dichloro-N-(4,5,6,7-tetrahydro-1,3-benzothiazol-2-yl)pyridazine-4-carboxamide	1916206-93-3
3,6-dichloro-N-(2,3-dihydro-1,4-benzodioxin-6-yl)pyridazine-4-carboxamide	1912468-93-9
N-(1,3-benzodioxol-5-yl)-3,6-dichloropyridazine-4-carboxamide	1912468-90-6
3,6-dichloro-N-(1-hydroxy-1,3-dihydro-2,1-benzoxaborol-6-yl)pyridazine-4-carboxamide	1222509-88-7

Further intermediates are compounds of formula (3):



(3)

wherein
G is halogen,
n=0 and m=1,
R^1 is hydrogen, hydroxyl, C_1-C_6-alkyl or C_1-C_6-alkoxy
R^4 and R^5 are as described herein,

R^6 is selected from the group consisting of non-aromatic polycyclic C_7-C_{12}-carbocycle, aromatic C_6-C_{14}-carbocycle (phenyl), aromatic 5- to 14-membered heterocycle and non-aromatic 6- to 14-membered polycyclic heterocycle,

R^7 is selected from the group consisting of hydrogen, halogen, hydroxyl, mercapto, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_2-C_6-alkenyloxy, C_2-C_6-haloalkenyloxy, C_2-C_6-alkynyloxy, C_2-C_6-haloalkynyloxy, C_1-C_6-alkylsulfanyl, C_1-C_6-haloalkylsulfanyl, C_3-C_8-cycloalkyl, C_3-C_6-cycloalkenyl, C_3-C_8-cycloalkyloxy, aromatic C_6-C_{14}-carbocyclyloxy, aromatic 5- or 6-membered monocyclic heterocyclyloxy, non-aromatic 3- to 7-membered monocyclic heterocyclyloxy and —$N(R^e)_2$ with R^e being as disclosed herein and wherein R^7 and R^e may be substituted as disclosed herein,

R^8 is hydrogen or C_1-C_6-alkyl,
provided that the compound of formula (3) is not

3,6-dichloro-N-(2-fluorobenzyl)pyridazine-4-carboxamide	1984430-44-5
N-(2-bromobenzyl)-3,6-dichloropyridazine-4-carboxamide	1983343-88-9
3,6-dichloro-N-(1-hydroxy-2-phenylpropan-2-yl)pyridazine-4-carboxamide	1980402-62-7
3,6-dichloro-N-[4-(hydroxymethyl)benzyl]pyridazine-4-carboxamide	1965966-39-5
3,6-dichloro-N-(pyrimidin-4-ylmethyl)pyridazine-4-carboxamide	1963833-87-5
3,6-dichloro-N-[1-(4-methylphenyl)ethyl]pyridazine-4-carboxamide	1963492-55-8
3,6-dichloro-N-(4-nitrobenzyl)pyridazine-4-carboxamide	1963492-48-9
3,6-dichloro-N-[1-(pyridin-2-yl)ethyl]pyridazine-4-carboxamide	1963491-81-7
3,6-dichloro-N-(4-fluoro-3,5-dimethylbenzyl)pyridazine-4-carboxamide	1963488-67-6
3,6-dichloro-N-(1-phenylpropyl)pyridazine-4-carboxamide	1963486-64-7
3,6-dichloro-N-[(2-methylpyrimidin-4-yl)methyl]pyridazine-4-carboxamide	1963485-86-0
N-[2-(4-bromophenyl)propan-2-yl]-3,6-dichloropyridazine-4-carboxamide	1963484-73-2
3,6-dichloro-N-(3,4-difluorobenzyl)pyridazine-4-carboxamide	1963333-54-1
3,6-dichloro-N-[1-(4-fluorophenyl)ethyl]pyridazine-4-carboxamide	1963333-42-7
3,6-dichloro-N-(2-methyl-1-phenylpropyl)pyridazine-4-carboxamide	1963331-49-8
3,6-dichloro-N-[cyano(phenyl)methyl]pyridazine-4-carboxamide	1963297-88-2
3,6-dichloro-N-[(6-methoxypyridin-3-yl)methyl]pyridazine-4-carboxamide	1963294-35-0
N-[1-(2-bromophenyl)ethyl]-3,6-dichloropyridazine-4-carboxamide	1963293-42-6
3,6-dichloro-N-(4-cyanobenzyl)pyridazine-4-carboxamide	1963292-84-3
3,6-dichloro-N-(1-phenylethyl)pyridazine-4-carboxamide	1963269-92-2
3,6-dichloro-N-(4-isopropylbenzyl)pyridazine-4-carboxamide	1963266-87-6
3,6-dichloro-N-[3-(methoxymethyl)benzyl]pyridazine-4-carboxamide	1963266-33-2
3,6-dichloro-N-(1-phenylbutyl)pyridazine-4-carboxamide	1963265-38-4
3,6-dichloro-N-[1-(2-methoxyphenyl)ethyl]pyridazine-4-carboxamide	1963249-29-7
3,6-dichloro-N-[(2-methoxypyridin-3-yl)methyl]pyridazine-4-carboxamide	1963249-05-9
3,6-dichloro-N-(3-fluorobenzyl)pyridazine-4-carboxamide	1963248-27-2
N-[1-(3-bromophenyl)ethyl]-3,6-dichloropyridazine-4-carboxamide	1963243-46-0
3,6-dichloro-N-(1-phenylethyl)pyridazine-4-carboxamide	1962808-22-5
3,6-dichloro-N-(2-hydroxybenzyl)pyridazine-4-carboxamide	1961468-92-7
3,6-dichloro-N-[1-(4-methylphenyl)propyl]pyridazine-4-carboxamide	1961467-12-8
N-[1-(4-bromophenyl)ethyl]-3,6-dichloropyridazine-4-carboxamide	1958785-37-9
3,6-dichloro-N-[1-(2-methylphenyl)ethyl]pyridazine-4-carboxamide	1958753-51-9
3,6-dichloro-N-[2-(methoxymethyl)benzyl]pyridazine-4-carboxamide	1958753-47-3
3,6-dichloro-N-(2-ethylbenzyl)pyridazine-4-carboxamide	1942813-14-0
3,6-dichloro-N-(3-chloro-4-fluorobenzyl)pyridazine-4-carboxamide	1942812-70-5
3,6-dichloro-N-[(6-methylpyridin-2-yl)methyl]pyridazine-4-carboxamide	1942812-67-0
3,6-dichloro-N-[1-(3-fluorophenyl)ethyl]pyridazine-4-carboxamide	1942812-44-3
3,6-dichloro-N-[1-(2,5-dimethylphenyl)ethyl]pyridazine-4-carboxamide	1942812-03-4
N-[1-(4-bromophenyl)propyl]-3,6-dichloropyridazine-4-carboxamide	1942811-84-8
3,6-dichloro-N-[1-(3-hydroxyphenyl)ethyl]pyridazine-4-carboxamide	1942811-75-7
3,6-dichloro-N-[1-(2,6-difluorophenyl)ethyl]pyridazine-4-carboxamide	1933878-63-7
3,6-dichloro-N-[1-(pyridin-4-yl)ethyl]pyridazine-4-carboxamide	1933878-55-7
N-(4-bromobenzyl)-3,6-dichloropyridazine-4-carboxamide	1931659-50-5
3,6-dichloro-N-(3-ethoxybenzyl)pyridazine-4-carboxamide	1931658-85-3
3,6-dichloro-N-[1-(4-ethylphenyl)ethyl]pyridazine-4-carboxamide	1931658-71-7
3,6-dichloro-N-[1-(4-chlorophenyl)ethyl]pyridazine-4-carboxamide	1931658-38-6
3,6-dichloro-N-[(3-methylpyridin-2-yl)methyl]pyridazine-4-carboxamide	1931071-02-1
3,6-dichloro-N-(pyridazin-3-ylmethyl)pyridazine-4-carboxamide	1931070-99-3
3,6-dichloro-N-[(2-methoxypyridin-4-yl)methyl]pyridazine-4-carboxamide	1931070-97-1
3,6-dichloro-N-[(3-methylpyridin-4-yl)methyl]pyridazine-4-carboxamide	1931070-94-8
3,6-dichloro-N-(3-nitrobenzyl)pyridazine-4-carboxamide	1931070-86-8
3,6-dichloro-N-[4-(dimethylamino)benzyl]pyridazine-4-carboxamide	1931070-68-6
3,6-dichloro-N-[1-(3-fluoro-4-methylphenyl)ethyl]pyridazine-4-carboxamide	1931068-96-0
N-[1-(4-bromophenyl)ethyl]-3,6-dichloropyridazine-4-carboxamide	1930979-34-2
3,6-dichloro-N-[(4-methylpyridin-3-yl)methyl]pyridazine-4-carboxamide	1930979-21-7
3,6-dichloro-N-(2-nitrobenzyl)pyridazine-4-carboxamide	1930978-85-0
3,6-dichloro-N-(3-fluoro-4-methylbenzyl)pyridazine-4-carboxamide	1930978-62-3
3,6-dichloro-N-[1-(4-chlorophenyl)propyl]pyridazine-4-carboxamide	1930978-34-9
3,6-dichloro-N-[1-(2,4-dimethylphenyl)ethyl]pyridazine-4-carboxamide	1930978-16-7
3,6-dichloro-N-(3-methylbenzyl)pyridazine-4-carboxamide	1930978-15-6
3,6-dichloro-N-(4-cyano-2-fluorobenzyl)pyridazine-4-carboxamide	1930466-03-7
3,6-dichloro-N-(4-ethylbenzyl)pyridazine-4-carboxamide	1930465-94-3
3,6-dichloro-N-(2,5-difluorobenzyl)pyridazine-4-carboxamide	1930465-46-5
3,6-dichloro-N-(2,4-difluorobenzyl)pyridazine-4-carboxamide	1930465-19-2
N-[1-(4-bromophenyl)ethyl]-3,6-dichloropyridazine-4-carboxamide	1930465-11-4
N-(5-bromo-2-fluorobenzyl)-3,6-dichloropyridazine-4-carboxamide	1930465-08-9
N-(2-bromo-5-fluorobenzyl)-3,6-dichloropyridazine-4-carboxamide	1930464-96-2
3,6-dichloro-N-{1-[4-(methylsulfanyl)phenyl]ethyl}pyridazine-4-carboxamide	1930464-73-5
3,6-dichloro-N-[1-(2,5-difluorophenyl)ethyl]pyridazine-4-carboxamide	1930464-69-9
3,6-dichloro-N-[1-(2-fluorophenyl)ethyl]pyridazine-4-carboxamide	1930464-55-3
3,6-dichloro-N-[1-(4-cyanophenyl)ethyl]pyridazine-4-carboxamide	1930464-37-1
3,6-dichloro-N-(2-chloro-6-methoxybenzyl)pyridazine-4-carboxamide	1927605-30-8
3,6-dichloro-N-(4-hydroxybenzyl)pyridazine-4-carboxamide	1927605-28-4
3,6-dichloro-N-[(3-ethylpyridin-2-yl)methyl]pyridazine-4-carboxamide	1927605-21-7
3,6-dichloro-N-[1-(4-methoxyphenyl)ethyl]pyridazine-4-carboxamide	1927605-04-6
N-(3-bromobenzyl)-3,6-dichloropyridazine-4-carboxamide	1927604-80-5
3,6-dichloro-N-[(5-methylpyrazin-2-yl)methyl]pyridazine-4-carboxamide	1927604-79-2
N-(1,3-benzodioxol-4-ylmethyl)-3,6-dichloropyridazine-4-carboxamide	1927604-68-9

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3,6-dichloro-N-[1-(3,4-dichlorophenyl)ethyl]pyridazine-4-carboxamide	1927604-65-6
3,6-dichloro-N-[1-(3-chlorophenyl)propyl]pyridazine-4-carboxamide	1927604-38-3
3,6-dichloro-N-[1-(3-chlorophenyl)ethyl]pyridazine-4-carboxamide	1927604-28-1
3,6-dichloro-N-[cyclopropyl(phenyl)methyl]pyridazine-4-carboxamide	1927604-27-0
3,6-dichloro-N-(3-cyanobenzyl)pyridazine-4-carboxamide	1927604-26-9
3,6-dichloro-N-[1-(3-methoxyphenyl)ethyl]pyridazine-4-carboxamide	1927604-18-9
3,6-dichloro-N-(pyridin-4-ylmethyl)pyridazine-4-carboxamide	1927604-09-8
3,6-dichloro-N-(pyridin-3-ylmethyl)pyridazine-4-carboxamide	1927604-08-7
3,6-dichloro-N-[1-(2-chlorophenyl)ethyl]pyridazine-4-carboxamide	1919457-44-5
3,6-dichloro-N-(4-methylbenzyl)pyridazine-4-carboxamide	1919457-31-0
3,6-dichloro-N-[1-(3,4-difluorophenyl)ethyl]pyridazine-4-carboxamide	1916146-03-6
3,6-dichloro-N-(2-methoxybenzyl)pyridazine-4-carboxamide	1916145-77-1
3,6-dichloro-N-(3-chlorobenzyl)pyridazine-4-carboxamide	1912880-14-8
3,6-dichloro-N-(3-methoxybenzyl)pyridazine-4-carboxamide	1912880-04-6
3,6-dichloro-N-(2-chlorobenzyl)pyridazine-4-carboxamide	1912879-71-0
3,6-dichloro-N-(4-chlorobenzyl)pyridazine-4-carboxamide	1912879-45-8
3,6-dichloro-N-(2-methylbenzyl)pyridazine-4-carboxamide	1912471-15-8
N-(1,3-benzodioxol-5-ylmethyl)-3,6-dichloropyridazine-4-carboxamide	1912471-02-3
3,6-dichloro-N-[1-(2,4-dichlorophenyl)ethyl]pyridazine-4-carboxamide	1912470-96-2
3,6-dichloro-N-(4-methoxybenzyl)pyridazine-4-carboxamide	1911438-41-9
N-benzyl-3,6-dichloropyridazine-4-carboxamide	1880074-78-1
5-({[(3,6-dichloropyridazin-4-yl)carbonyl]amino}methyl)pyridine-2-carboxylic acid	1517048-06-4
2-({[(3,6-dichloropyridazin-4-yl)carbonyl]amino}methyl)isonicotinic acid	1511055-57-4
3,6-dichloro-N-[3-(hydroxymethyl)benzyl]pyridazine-4-carboxamide	1405420-32-7
3,6-dichloro-N-(3,4-dimethoxybenzyl)pyridazine-4-carboxamide	1225016-31-8
3-({[(3,6-dichloropyridazin-4-yl)carbonyl]amino}methyl)benzoic acid	1183508-99-7
4-({[(3,6-dichloropyridazin-4-yl)carbonyl]amino}methyl)benzoic acid	1098397-28-4
3,6-dichloro-N-[1-(2,4-difluorophenyl)ethyl]pyridazine-4-carboxamide	1090851-96-9
N-benzyl-3-chloro-6-(pyridin-4-yl)pyridazine-4-carboxamide	191410-88-5
3-chloro-6-(3-chloropyridin-4-yl)-N-(2,4-dichlorobenzyl)pyridazine-4-carboxamide	161228-90-6
3-chloro-N-(2,4-dichlorobenzyl)-6-(pyridin-4-yl)pyridazine-4-carboxamide	161228-88-2
N-benzyl-3,6-dichloro-N-methoxypyridazine-4-carboxamide	2298913-34-3
3-chloro-6-methoxy-N-(tricyclo[3.3.1.1^{3,7}]decan-1-ylmethyl)pyridazine-4-carboxamide	2133857-04-0
3,6-dichloro-N-(4-fluorobenzyl)pyridazine-4-carboxamide	1991771-80-2
3,6-dichloro-N-(1-phenylethyl)pyridazine-4-carboxamide	1988789-00-9
N-(bicyclo[2.2.1]heptan-2-ylmethyl)-3,6-dichloropyridazine-4-carboxamide	1987081-15-1
3,6-dichloro-N-(3-chlorobenzyl)-N-methylpyridazine-4-carboxamide	1963493-19-7
3,6-dichloro-N-methyl-N-(3-methylbenzyl)pyridazine-4-carboxamide	1963485-43-9
3,6-dichloro-N-(4-fluorobenzyl)-N-methylpyridazine-4-carboxamide	1963484-44-7
3,6-dichloro-N-[1-(3-chlorophenyl)ethyl]-N-methylpyridazine-4-carboxamide	1963333-30-3
3,6-dichloro-N-(2-chlorobenzyl)-N-ethylpyridazine-4-carboxamide	1963332-79-7
3,6-dichloro-N-(4-cyanobenzyl)-N-methylpyridazine-4-carboxamide	1963293-80-2
3,6-dichloro-N-(3-methoxybenzyl)-N-methylpyridazine-4-carboxamide	1963293-26-6
3,6-dichloro-N-(3,5-dichlorobenzyl)-N-methylpyridazine-4-carboxamide	1963266-27-4
3,6-dichloro-N-(2,3-dichlorobenzyl)-N-methylpyridazine-4-carboxamide	1963249-00-4
3,6-dichloro-N-(4-chlorobenzyl)-N-methylpyridazine-4-carboxamide	1963248-88-5
3,6-dichloro-N-(2,4-difluorobenzyl)-N-methylpyridazine-4-carboxamide	1963075-71-9
3,6-dichloro-N-(3-chlorobenzyl)-N-ethylpyridazine-4-carboxamide	1962813-56-4
3,6-dichloro-N-[1-(4-fluorophenyl)ethyl]-N-methylpyridazine-4-carboxamide	1961466-57-8
3,6-dichloro-N-(2,4-dimethylbenzyl)-N-methylpyridazine-4-carboxamide	1958753-45-1
3,6-dichloro-N-(3-cyanobenzyl)-N-methylpyridazine-4-carboxamide	1958751-48-8
N-(3-carbamoylbenzyl)-3,6-dichloropyridazine-4-carboxamide	1942812-46-5
3,6-dichloro-N-methyl-N-[1-(4-methylphenyl)ethyl]pyridazine-4-carboxamide	1942812-24-9
3,6-dichloro-N-(3,4-difluorobenzyl)-N-methylpyridazine-4-carboxamide	1942811-37-1
3,6-dichloro-N-[(1RS)-2-hydroxy-1-phenylethyl]pyridazine-4-carboxamide	1939959-83-7
3,6-dichloro-N-[1-(2-fluorophenyl)ethyl]-N-methylpyridazine-4-carboxamide	1939278-59-7
3,6-dichloro-N-[1-(2-hydroxyphenyl)ethyl]-N-methylpyridazine-4-carboxamide	1939278-58-6
3,6-dichloro-N-(2-hydroxybenzyl)-N-methylpyridazine-4-carboxamide	1939278-57-5
N-(bicyclo[4.2.0]octa-1,3,5-trien-7-ylmethyl)-3,6-dichloropyridazine-4-carboxamide	1939278-54-2
	1933879-30-1
N-(3-bromobenzyl)-3,6-dichloro-N-methylpyridazine-4-carboxamide	1933878-73-9
N-(4-bromobenzyl)-3,6-dichloro-N-methylpyridazine-4-carboxamide	1931659-70-9
3,6-dichloro-N-methyl-N-(4-methylbenzyl)pyridazine-4-carboxamide	1931659-02-7
3,6-dichloro-N-[1-(2-chlorophenyl)ethyl]-N-methylpyridazine-4-carboxamide	1931658-98-8
3,6-dichloro-N-[1-(4-chlorophenyl)ethyl]-N-methylpyridazine-4-carboxamide	1931658-46-6
3,6-dichloro-N-(4-methoxybenzyl)-N-methylpyridazine-4-carboxamide	1931658-28-4
N-(2-bromobenzyl)-3,6-dichloro-N-methylpyridazine-4-carboxamide	1930978-48-5
3,6-dichloro-N-(4-hydroxybenzyl)-N-methylpyridazine-4-carboxamide	1930978-28-1
3,6-dichloro-N-(4-ethylbenzyl)-N-methylpyridazine-4-carboxamide	1930978-20-3
3,6-dichloro-N-methyl-N-(1-phenylethyl)pyridazine-4-carboxamide	1927604-57-6
3,6-dichloro-N-ethyl-N-(3-methylbenzyl)pyridazine-4-carboxamide	1927604-54-3
3,6-dichloro-N-(3-hydroxybenzyl)-N-methylpyridazine-4-carboxamide	1927369-37-6
3,6-dichloro-N-[(1 RS)-2-hydroxy-1-phenylethyl]pyridazine-4-carboxamide	1917672-69-5
3,6-dichloro-N-methyl-N-[4-(methylsulfanyl)benzyl]pyridazine-4-carboxamide	1916146-31-0
3,6-dichloro-N-(3-fluorobenzyl)-N-methylpyridazine-4-carboxamide	1916146-24-1
3,6-dichloro-N-(2-chloro-6-fluorobenzyl)-N-methylpyridazine-4-carboxamide	1916146-09-2
3,6-dichloro-N-ethyl-N-(3-fluorobenzyl)pyridazine-4-carboxamide	1916146-00-3
3,6-dichloro-N-(2,4-dichlorobenzyl)-N-methylpyridazine-4-carboxamide	1916145-61-3

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N-[1-(bicyclo[2.2.1]heptan-2-yl)ethyl]-3,6-dichloropyridazine-4-carboxamide	1912880-08-0
3,6-dichloro-N-(2-methoxybenzyl)-N-methylpyridazine-4-carboxamide	1912879-93-6
3,6-dichloro-N-(3,4-dichlorobenzyl)-N-methylpyridazine-4-carboxamide	1912471-09-0
3,6-dichloro-N-(2-chlorobenzyl)-N-methylpyridazine-4-carboxamide	1987080-66-9
3,6-dichloro-N-[1-(pyridin-3-yl)ethyl]pyridazine-4-carboxamide	1986954-61-3
3,6-dichloro-N-[(6-methylpyridin-3-yl)methyl]pyridazine-4-carboxamide	1912316-19-8
3,6-dichloro-N-(2-fluorobenzyl)-N-methylpyridazine-4-carboxamide	1882013-85-5
N-benzyl-3,6-dichloro-N-propylpyridazine-4-carboxamide	1877684-70-2
N-benzyl-3,6-dichloro-N-methylpyridazine-4-carboxamide	1874825-14-5
N-benzyl-3,6-dichloro-N-(2,2,2-trifluoroethyl)pyridazine-4-carboxamide	1874578-66-1
N-benzyl-3,6-dichloro-N-ethylpyridazine-4-carboxamide	
N-benzyl-3,6-dichloro-N-isopropylpyridazine-4-carboxamide	1874578-65-0
N-benzyl-3,6-dichloro-N-(2-methoxyethyl)pyridazine-4-carboxamide	1866600-42-1
N-benzyl-N-sec-butyl-3,6-dichloropyridazine-4-carboxamide	1857334-84-9
3,6-dichloro-N-(2-hydroxy-1-phenylethyl)pyridazine-4-carboxamide	1490216-99-3
3,6-dichloro-N-[(1-hydroxycycloheptyl)methyl]pyridazine-4-carboxamide	1483136-13-5
N-benzyl-3,6-dichloro-N-(2-hydroxyethyl)pyridazine-4-carboxamide	1457256-24-4
(2RS)-{[(3,6-dichloropyridazin-4-yl)carbonyl]amino} (phenyl)acetic acid	1308237-58-2
{[(3,6-dichloropyridazin-4-yl) carbonyl]amino} (phenyl)acetic acid	1218464-07-3
3-chloro-6-(3-chloro-5-methylphenyl)-N-(3,4-dimethoxybenzyl)pyridazine-4-carboxamide	1225016-34-1
3-chloro-N-(3,4-dimethoxybenzyl)-6-(3,5-dimethylphenyl)pyridazine-4-carboxamide	1225016-32-9
3,6-dichloro-N-[1-(6,7-dihydro-5H-pyrrolo[2,1-c][1,2,4]triazol-3-yl)ethyl] pyridazine-carboxamide	1961466-89-6
3,6-dichloro-N-(5,6-dihydro-4H-cyclopenta[b]thiophen-2-ylmethyl)pyridazine-4-carboxamide	1927604-67-8
N-(1H-benzimidazol-2-ylmethyl)-3,6-dichloropyridazine-4-carboxamide	1549932-84-4
3,6-dichloro-N-(1,2-thiazol-3-ylmethyl)pyridazine-4-carboxamide	2163201-91-8
3,6-dichloro-N-(1,2,3-thiadiazol-5-ylmethyl)pyridazine-4-carboxamide	2024446-45-3
3,6-dichloro-N-(1,3-oxazol-4-ylmethyl)pyridazine-4-carboxamide	2006958-66-1
3,6-dichloro-N-(1,2,3-thiadiazol-4-ylmethyl)pyridazine-4-carboxamide	2004285-43-0
3,6-dichloro-N-(1,2-thiazol-5-ylmethyl)pyridazine-4-carboxamide	1996485-85-8
3,6-dichloro-N-(1H-1,2,3-triazol-5-ylmethyl)pyridazine-4-carboxamide	1995732-69-8
3,6-dichloro-N-[(4,5-dimethyl-2-thienyl)methyl]pyridazine-4-carboxamide	1991569-72-2
3,6-dichloro-N-[1-(1,3-thiazol-2-yl)propyl]pyridazine-4-carboxamide	1991569-50-6
3,6-dichloro-N-(1H-pyrrol-3-ylmethyl)pyridazine-4-carboxamide	1990070-85-3
3,6-dichloro-N-[(2-methyl-1,3-thiazol-4-yl)methyl]pyridazine-4-carboxamide	1987539-29-6
3,6-dichloro-N-[(4-methyl-1,3-thiazol-5-yl)methyl]pyridazine-4-carboxamide	1987081-08-2
3,6-dichloro-N-[(5-methyl-2-furyl)methyl]pyridazine-4-carboxamide	1987080-93-2
3,6-dichloro-N-[(3-ethyl-2-thienyl)methyl]pyridazine-4-carboxamide	1986453-83-1
3,6-dichloro-N-[(5-ethyl-1,3-thiazol-2-yl)methyl]pyridazine-4-carboxamide	1983851-90-6
3,6-dichloro-N-[(5-chloro-2-thienyl)methyl]pyridazine-4-carboxamide	1983344-50-8
3,6-dichloro-N-[1-(2-thienyl)propyl]pyridazine-4-carboxamide	1983343-92-5
3,6-dichloro-N-[(2-methyl-1,3-thiazol-5-yl)methyl]pyridazine-4-carboxamide	1983343-79-8
3,6-dichloro-N-[(3-methyl-1,2,4-oxadiazol-5-yl)methyl]pyridazine-4-carboxamide	1983343-71-0
N-[(5-bromo-2-thienyl)methyl]-3,6-dichloropyridazine-4-carboxamide	1983343-64-1
3,6-dichloro-N-[1-(5-chloro-2-thienyl)ethyl]pyridazine-4-carboxamide	1983091-96-8
3,6-dichloro-N-[(5-methyl-2-thienyl)methyl]pyridazine-4-carboxamide	1983088-96-5
3,6-dichloro-N-[(4-methyl-1,3-thiazol-2-yl)methyl]pyridazine-4-carboxamide	1982203-99-5
3,6-dichloro-N-[1-(5-methyl-1,3-thiazol-2-yl)ethyl]pyridazine-4-carboxamide	1981931-26-3
3,6-dichloro-N-[(5-methyl-1,2-oxazol-3-yl)methyl]pyridazine-4-carboxamide	1981931-02-5
3,6-dichloro-N-[1-(2-thienyl)ethyl]pyridazine-4-carboxamide	1963491-90-8
3,6-dichloro-N-[1-(2,5-dimethyl-3-furyl)ethyl]pyridazine-4-carboxamide	1963486-37-4
3,6-dichloro-N-[1-(5-methyl-2-thienyl)ethyl]pyridazine-4-carboxamide	1963333-53-0
3,6-dichloro-N-(3-furylmethyl)pyridazine-4-carboxamide	1963326-34-2
3,6-dichloro-N-[1-(3,5-dimethyl-1,2-oxazol-4-yl)ethyl]pyridazine-4-carboxamide	1963325-71-4
3,6-dichloro-N-[1-(5-ethyl-1,3-thiazol-2-yl)ethyl]pyridazine-4-carboxamide	1963296-03-8
N-[(3-bromo-2-thienyl)methyl]-3,6-dichloropyridazine-4-carboxamide	1963295-51-3
3,6-dichloro-N-[(4-methyl-3-thienyl)methyl]pyridazine-4-carboxamide	1963295-45-5
N-[(4-bromo-2-thienyl)methyl]-3,6-dichloropyridazine-4-carboxamide	1963295-18-2
3,6-dichloro-N-[1-(5-methyl-2-furyl)ethyl]pyridazine-4-carboxamide	1963076-44-9
N-(1,3-benzothiazol-2-ylmethyl)-3,6-dichloropyridazine-4-carboxamide	1962813-77-9
3,6-dichloro-N-(3-thienylmethyl)pyridazine-4-carboxamide	1962806-33-2
3,6-dichloro-N-[1-(1,3-thiazol-2-yl)ethyl]pyridazine-4-carboxamide	1961468-21-2
3,6-dichloro-N-(1,3-thiazol-4-ylmethyl)pyridazine-4-carboxamide	1961467-79-7
3,6-dichloro-N-[(5-methyl-1,2,4-oxadiazol-3-yl)methyl]pyridazine-4-carboxamide	1960925-03-4
3,6-dichloro-N-[1-(1H-pyrazol-4-yl)ethyl]pyridazine-4-carboxamide	1960734-20-6
3,6-dichloro-N-(1,2,4-oxadiazol-3-ylmethyl)pyridazine-4-carboxamide	1960647-70-4
3,6-dichloro-N-[(5-ethyl-2-thienyl)methyl]pyridazine-4-carboxamide	1959928-52-9
3,6-dichloro-N-[(4,5-dimethyl-1,3-oxazol-2-yl)methyl]pyridazine-4-carboxamide	1944224-32-1
3,6-dichloro-N-[(2-oxo-2,3-dihydro-1,3-thiazol-4-yl)methyl]pyridazine-4-carboxamide	1944175-80-7
3,6-dichloro-N-(1,2-oxazol-5-ylmethyl)pyridazine-4-carboxamide	1944092-53-8
3,6-dichloro-N-(1,3-thiazol-5-ylmethyl)pyridazine-4-carboxamide	1939855-08-9
3,6-dichloro-N-[1-(2-thienyl)butyl]pyridazine-4-carboxamide	1933879-62-9
3,6-dichloro-N-[1-(2,4-dimethyl-1,3-thiazol-5-yl)ethyl]pyridazine-4-carboxamide	1933879-42-5
3,6-dichloro-N-[2-(1,3-thiazol-2-yl)propan-2-yl]pyridazine-4-carboxamide	1933816-57-9
3,6-dichloro-N-[(5-ethyl-1,3-oxazol-2-yl)methyl]pyridazine-4-carboxamide	1933237-05-8

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3,6-dichloro-N-[1-(5-methyl-1,3-oxazol-2-yl)ethyl]pyridazine-4-carboxamide	1933235-18-7
3,6-dichloro-N-[(5-methyl-1,3-oxazol-2-yl)methyl]pyridazine-4-carboxamide	1933211-12-1
3,6-dichloro-N-[1-(4H-1,2,4-triazol-3-yl)ethyl]pyridazine-4-carboxamide	1933075-14-9
3,6-dichloro-N-[(5-methyl-1,3-thiazol-2-yl)methyl]pyridazine-4-carboxamide	1931742-39-0
3,6-dichloro-N-(1,3-thiazol-2-ylmethyl)pyridazine-4-carboxamide	1931070-72-2
3,6-dichloro-N-[(3-methyl-2-thienyl)methyl]pyridazine-4-carboxamide	1930978-98-5
3,6-dichloro-N-[(3,5-dimethyl-1,2-oxazol-4-yl)methyl]pyridazine-4-carboxamide	1930465-59-0
3,6-dichloro-N-[1-(4-methyl-1,3-thiazol-2-yl)ethyl]pyridazine-4-carboxamide	1930465-52-3
3,6-dichloro-N-(1,2-oxazol-3-ylmethyl)pyridazine-4-carboxamide	1927605-15-9
3,6-dichloro-N-[(3-methyl-1,2-oxazol-5-yl)methyl]pyridazine-4-carboxamide	1927604-96-3
3,6-dichloro-N-[1-(2,5-dimethyl-3-thienyl)ethyl]pyridazine-4-carboxamide	1927604-36-1
3,6-dichloro-N-[1-(2-furyl)ethyl]pyridazine-4-carboxamide	1916146-38-7
3,6-dichloro-N-(2-furylmethyl)pyridazine-4-carboxamide	1912880-00-2
3,6-dichloro-N-(2-thienylmethyl)pyridazine-4-carboxamide	1912471-11-4
3,6-dichloro-N-[1-(1H-imidazol-2-yl)propyl]pyridazine-4-carboxamide	1777242-75-7
3,6-dichloro-N-[1-(1H-imidazol-2-yl)ethyl]pyridazine-4-carboxamide	1712498-63-9
5-({[(3,6-dichloropyridazin-4-yl)carbonyl]amino}methyl)-2-furoic acid	1516773-69-5
2-(1-{[(3,6-dichloropyridazin-4-yl)carbonyl]amino}ethyl)-1,3-thiazole-4-carboxylic acid	1513042-93-7
2-{{[(3,6-dichloropyridazin-4-yl)carbonyl]amino}methyl)-1,3-thiazole-4-carboxylic acid	1503494-31-2
2-{{[(3,6-dichloropyridazin-4-yl)carbonyl]amino}methyl)-4-methyl-1,3-thiazole-5-carboxylic acid	1481992-26-0
3,6-dichloro-N-(1H-imidazol-5-ylmethyl)pyridazine-4-carboxamide	1477586-27-8
3,6-dichloro-N-(1H-imidazol-2-ylmethyl)pyridazine-4-carboxamide	1378481-77-6
3,6-dichloro-N-(1H-pyrazol-3-ylmethyl)pyridazine-4-carboxamide	1307455-79-3
3,6-dichloro-N-[1-(1H-tetrazol-5-yl)ethyl]pyridazine-4-carboxamide	1306409-32-4
3,6-dichloro-N-(1H-tetrazol-5-ylmethyl)pyridazine-4-carboxamide	1304608-61-4
3,6-dichloro-N-(4H-1,2,4-triazol-3-ylmethyl)pyridazine-4-carboxamide	1183972-25-9
5-({[(3,6-dichloropyridazin-4-yl)carbonyl]amino}methyl)-2-methyl-3-furoic acid	1183858-15-2
3,6-dichloro-N-(1H-pyrazol-4-ylmethyl)pyridazine-4-carboxamide	1183827-88-4
3,6-dichloro-N-[(3-methyl-1H-pyrazol-4-yl)methyl]pyridazine-4-carboxamide	1178934-83-2
N-[(1-benzyl-1H-pyrazol-4-yl)methyl]-3,6-dichloropyridazine-4-carboxamide	1999589-02-4
N-[(1-benzyl-1H-pyrazol-3-yl)methyl]-3,6-dichloropyridazine-4-carboxamide	1994116-56-1
3,6-dichloro-N-[(1-methyl-1H-pyrazol-3-yl)methyl]pyridazine-4-carboxamide	1988885-72-8
3,6-dichloro-N-methyl-N-[(1-methyl-1H-pyrazol-4-yl)methyl]pyridazine-4-carboxamide	1988885-56-8
3,6-dichloro-N-[1-(1-methyl-1H-pyrazol-4-yl)ethyl]pyridazine-4-carboxamide	1987763-00-7
3,6-dichloro-N-methyl-N-[(2-methyl-1,3-thiazol-5-yl)methyl]pyridazine-4-carboxamide	1987539-17-2
3,6-dichloro-N-[(1-methyl-1H-pyrazol-4-yl)methyl]pyridazine-4-carboxamide	1986954-08-8
3,6-dichloro-N-methyl-N-[(3-methyl-2-thienyl)methyl]pyridazine-4-carboxamide	1986953-73-4
3,6-dichloro-N-methyl-N-[(5-methyl-2-furyl)methyl]pyridazine-4-carboxamide	1986953-63-2
3,6-dichloro-N-methyl-N-(pyridin-2-ylmethyl)pyridazine-4-carboxamide	1986411-77-1
3,6-dichloro-N-[(1-methyl-1H-pyrrol-3-yl)methyl]pyridazine-4-carboxamide	1984166-87-1
3,6-dichloro-N-[(1,5-dimethyl-1H-pyrazol-4-yl)methyl]pyridazine-4-carboxamide	1983611-73-9
3,6-dichloro-N-methyl-N-[(2-methyl-1,3-thiazol-4-yl)methyl]pyridazine-4-carboxamide	1983343-98-1
3,6-dichloro-N-methyl-N-[(5-methyl-1,2-oxazol-3-yl)methyl]pyridazine-4-carboxamide	1983343-52-7
3,6-dichloro-N-methyl-N-[(2-methyl-3-furyl)methyl]pyridazine-4-carboxamide	1983088-82-9
3,6-dichloro-N-[(1-methyl-1H-pyrazol-5-yl)methyl]pyridazine-4-carboxamide	1982231-41-3
3,6-dichloro-N-[1-(3-thienyl) ethyl]pyridazine-4-carboxamide	1982204-16-9
3,6-dichloro-N-[1-(4-methyl-4H-1,2,4-triazol-3-yl)ethyl]pyridazine-4-carboxamide	1982203-88-2
3,6-dichloro-N-methyl-N-(3-thienylmethyl)pyridazine-4-carboxamide	1981930-80-6
3,6-dichloro-N-[(1-methyl-1H-pyrrol-2-yl)methyl]pyridazine-4-carboxamide	1964928-85-5
3,6-dichloro-N-methyl-N-[(4-methyl-1,3-thiazol-5-yl)methyl]pyridazine-4-carboxamide	1963487-15-1
3,6-dichloro-N-methyl-N-(1,3-thiazol-4-ylmethyl)pyridazine-4-carboxamide	1963486-30-7
3,6-dichloro-N-[(1,3-dimethyl-1H-pyrazol-4-yl)methyl]pyridazine-4-carboxamide	1963326-14-8
3,6-dichloro-N-[(3,5-dimethyl-1,2-oxazol-4-yl)methyl]-N-methylpyridazine-4-carboxamide	1963077-09-9
3,6-dichloro-N-isopropyl-N-[(5-methyl-2-furyl)methyl]pyridazine-4-carboxamide	1962813-68-8
3,6-dichloro-N-(2-cyanoethyl)-N-(2-furylmethyl)pyridazine-4-carboxamide	1962813-36-0
3,6-dichloro-N-[(3-ethyl-1-methyl-1H-pyrazol-4-yl)methyl]pyridazine-4-carboxamide	1962807-42-6
	1962806-93-4
3,6-dichloro-N-methyl-N-[(1-methyl-1H-imidazol-2-yl)methyl]pyridazine-4-carboxamide	1961467-39-9
3,6-dichloro-N-methyl-N-(pyridin-4-ylmethyl)pyridazine-4-carboxamide	1961466-14-7
3,6-dichloro-N-(2-furylmethyl)-N-methylpyridazine-4-carboxamide	1961466-02-3
3,6-dichloro-N-[(1-methyl-1H-1,2,4-triazol-3-yl)methyl]pyridazine-4-carboxamide	1959976-49-8
3,6-dichloro-N-methyl-N-[1-(pyridin-4-yl)ethyl]pyridazine-4-carboxamide	1958754-06-7
3,6-dichloro-N-methyl-N-(pyridin-3-ylmethyl)pyridazine-4-carboxamide	1958720-30-3
3,6-dichloro-N-(hexahydro-1H-pyrrolo[2,1-c][1,4]oxazin-3-ylmethyl)pyridazine-4-carboxamide	1942813-31-1
3,6-dichloro-N-(2,3-dihydro-1-benzofuran-2-ylmethyl)pyridazine-4-carboxamide	1942812-35-2
3,6-dichloro-N-isopropyl-N-(pyridin-3-ylmethyl)pyridazine-4-carboxamide	1942812-14-7
3,6-dichloro-N-ethyl-N-(pyridin-2-ylmethyl)pyridazine-4-carboxamide	1939274-40-4
N-[(5-bromo-3-thienyl)methyl]-3,6-dichloro-N-methylpyridazine-4-carboxamide	1939274-12-0

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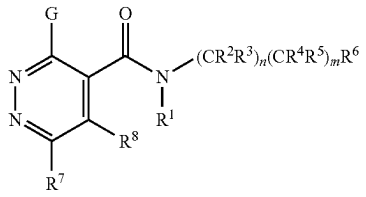
3,6-dichloro-N-isopropyl-N-(2-thienylmethyl)pyridazine-4-carboxamide	1933879-57-2
3,6-dichloro-N-[(8-methyl-8-azabicyclo[3.2.1]octan-3-yl)methyl]pyridazine-4-carboxamide	1933879-27-6
3,6-dichloro-N-ethyl-N-(2-furylmethyl)pyridazine-4-carboxamide	1933879-20-9
3-{[(3,6-dichloropyridazin-4-yl)carbonyl]amino}-3-(2-thienyl)propanoic acid	1933878-95-5
3,6-dichloro-N-[1-(1,5-dimethyl-1H-pyrazol-4-yl)ethyl]pyridazine-4-carboxamide	1933878-78-4
3,6-dichloro-N-[(5-chloro-2-thienyl)methyl]-N-methylpyridazine-4-carboxamide	1933878-68-2
3,6-dichloro-N-[(4-methyl-4H-1,2,4-triazol-3-yl)methyl]pyridazine-4-carboxamide	1931659-36-7
3,6-dichloro-N-ethyl-N-(pyridin-4-ylmethyl)pyridazine-4-carboxamide	1931658-89-7
N-[(5-bromo-2-furyl)methyl]-3,6-dichloro-N-methylpyridazine-4-carboxamide	1931658-88-6
N-[(5-bromo-2-thienyl)methyl]-3,6-dichloro-N-ethylpyridazine-4-carboxamide	1931658-23-9
3,6-dichloro-N-ethyl-N-(2-thienylmethyl)pyridazine-4-carboxamide	1931658-19-3
3,6-dichloro-N-(3-furylmethyl)-N-methylpyridazine-4-carboxamide	1931070-73-3
3,6-dichloro-N-[(1,3,5-trimethyl-1H-pyrazol-4-yl)methyl]pyridazine-4-carboxamide	1930978-97-4
3,6-dichloro-N-[(1-methyl-1H-imidazol-2-yl)methyl]pyridazine-4-carboxamide	1930978-90-7
N-[(4-bromo-2-thienyl)methyl]-3,6-dichloro-N-methylpyridazine-4-carboxamide	1930978-56-5
3,6-dichloro-N-methyl-N-(2-thienylmethyl)pyridazine-4-carboxamide	1930978-05-4
3,6-dichloro-N-isopropyl-N-(pyridin-2-ylmethyl)pyridazine-4-carboxamide	1930464-94-0
3,6-dichloro-N-[2-methyl-1-(2-thienyl)propyl]pyridazine-4-carboxamide	1930464-77-9
3,6-dichloro-N-ethyl-N-[(6-methylpyridin-2-yl)methyl]pyridazine-4-carboxamide	1927605-12-6
3,6-dichloro-N-([1,2,4]triazolo[4,3-a]pyridin-3-ylmethyl)pyridazine-4-carboxamide	1927604-73-6
3,6-dichloro-N-methyl-N-[1-(5-methyl-2-thienyl)ethyl]pyridazine-4-carboxamide	1927604-53-2
3,6-dichloro-N-methyl-N-[1-(2-thienyl)ethyl]pyridazine-4-carboxamide	1927604-52-1
3,6-dichloro-N-(6,7-dihydro-5H-pyrrolo[2,1-c][1,2,4]triazol-3-ylmethyl)-N-methylpyridazine-4-carboxamide	1927604-51-0
3,6-dichloro-N-[(5-chloro-2-thienyl)methyl]-N-ethylpyridazine-4-carboxamide	1927604-24-7
3,6-dichloro-N-[(4-ethyl-4H-1,2,4-triazol-3-yl)methyl]pyridazine-4-carboxamide	1923078-50-5
3,6-dichloro-N-methyl-N-[(5-methyl-4H-1,2,4-triazol-3-yl)methyl]pyridazine-4-carboxamide	1485156-86-2
3,6-dichloro-N-(1H-imidazol-2-ylmethyl)-N-methylpyridazine-4-carboxamide	1469787-71-0
3,6-dichloro-N-methyl-N-(1H-pyrazol-4-ylmethyl)pyridazine-4-carboxamide	1409147-57-4
3,6-dichloro-N-methyl-N-(4H-1,2,4-triazol-3-ylmethyl)pyridazine-4-carboxamide	1378919-35-7
3,6-dichloro-N-(pyridin-2-ylmethyl)pyridazine-4-carboxamide	380344-61-6

Further intermediates are compounds of formula (3):



(3)

wherein

G is halogen,

n=1 and m=1,

R^1 is hydrogen, hydroxyl, C_1-C_6-alkyl or C_1-C_6-alkoxy,

R^2, R^3, R^4 and R^5 are as described herein,

R^6 is selected from the group consisting of non-aromatic polycyclic C_7-C_{12}-carbocycle, aromatic C_6-C_{14}-carbocycle (phenyl), aromatic 5- to 14-membered heterocycle and non-aromatic 6- to 14-membered polycyclic heterocycle,

R^7 is selected from the group consisting of hydrogen, halogen, hydroxyl, mercapto, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_2-C_6-alkenyloxy, C_2-C_6-haloalkenyloxy, C_2-C_6-alkynyloxy,

C_2-C_6-haloalkynyloxy, C_1-C_6-alkylsulfanyl, C_1-C_6-haloalkylsulfanyl, C_3-C_8-cycloalkyl, C_3-C_6-cycloalkenyl, C_3-C_8-cycloalkyloxy, aromatic C_6-C_{14}-carbocyclyloxy, aromatic 5- or 6-membered monocyclic heterocyclyloxy, non-aromatic 3- to 7-membered monocyclic heterocyclyloxy and —$N(R^e)_2$ with R^e being as disclosed herein and wherein R^7 and R^e may be substituted as disclosed herein,

R^8 is hydrogen or C_1-C_6-alkyl, provided that the compound of formula (3) is not

3,6-dichloro-N-[2-(pyridin-2-yl)ethyl]pyridazine-4-carboxamide	1982206-64-3
3,6-dichloro-N-[2-(pyridin-3-yl)ethyl]pyridazine-4-carboxamide	1981930-87-3
3,6-dichloro-N-[2-(3,5-difluorophenyl)ethyl]pyridazine-4-carboxamide	1963486-79-4
3,6-dichloro-N-[2-(3-methylphenyl)ethyl]pyridazine-4-carboxamide	1963267-34-6
3,6-dichloro-N-[2-(3-chlorophenyl)ethyl]pyridazine-4-carboxamide	1961466-79-4
3,6-dichloro-N-[2-(4-fluoro-2-methylphenyl)ethyl]pyridazine-4-carboxamide	1958752-63-0
3,6-dichloro-N-[2-(3-methoxyphenyl)ethyl]pyridazine-4-carboxamide	1939713-84-4
3,6-dichloro-N-[2-(4-hydroxyphenyl)ethyl]pyridazine-4-carboxamide	1930978-66-7
3,6-dichloro-N-[2-(3-fluorophenyl)ethyl]pyridazine-4-carboxamide	1930464-33-7
3,6-dichloro-N-[2-(pyridin-4-yl)ethyl]pyridazine-4-carboxamide	1927604-17-8
3,6-dichloro-N-[2-(2-methoxyphenyl)ethyl]pyridazine-4-carboxamide	1926106-33-3
3,6-dichloro-N-[2-(4-methoxyphenyl)ethyl]pyridazine-4-carboxamide	1917672-49-1
3,6-dichloro-N-[2-(4-fluorophenyl)ethyl]pyridazine-4-carboxamide	1916146-17-2
3,6-dichloro-N-[2-(4-chlorophenyl)ethyl]pyridazine-4-carboxamide	1916145-74-8
3,6-dichloro-N-[2-(2,4-dichlorophenyl)ethyl]pyridazine-4-carboxamide	1912316-22-3
3,6-dichloro-N-[2-(2-fluorophenyl)ethyl]pyridazine-4-carboxamide	1911438-43-1
3,6-dichloro-N-(2-hydroxy-2-phenylethyl)pyridazine-4-carboxamide	1155518-85-6
3,6-dichloro-N-(2-phenylethyl)pyridazine-4-carboxamide	199478-02-9
3,6-dichloro-N-[2-(2-thienyl)ethyl]pyridazine-4-carboxamide	1988885-38-6
3,6-dichloro-N-[2-(4-methyl-1H-pyrazol-1-yl)ethyl]pyridazine-4-carboxamide	1987840-59-4

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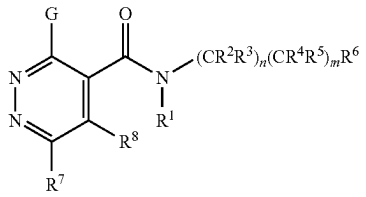
3,6-dichloro-N-[2-hydroxy-2-(3-thienyl)ethyl]pyridazine-4-carboxamide	1987333-52-7
3,6-dichloro-N-[2-(1,3-thiazol-4-yl)ethyl]pyridazine-4-carboxamide	1987081-19-5
3,6-dichloro-N-[2-(4-methyl-1,3-thiazol-2-yl)ethyl]pyridazine-4-carboxamide	1987081-05-9
3,6-dichloro-N-[2-(1,2,4-oxadiazol-5-yl)ethyl]pyridazine-4-carboxamide	1983447-74-0
3,6-dichloro-N-[2-(3-thienyl)ethyl]pyridazine-4-carboxamide	1983088-84-1
3,6-dichloro-N-[2-(3-methyl-1,2,4-oxadiazol-5-yl)ethyl]pyridazine-4-carboxamide	1982958-83-7
N-[2-(5-bromo-2-thienyl)ethyl]-3,6-dichloropyridazine-4-carboxamide	1982305-31-6
3,6-dichloro-N-[2-(2-furyl)ethyl]pyridazine-4-carboxamide	1982203-97-3
3,6-dichloro-N-[2-(1,2,4-oxadiazol-3-yl)ethyl]pyridazine-4-carboxamide	1964916-99-1
3,6-dichloro-N-[2-(5-chloro-2-thienyl)ethyl]pyridazine-4-carboxamide	1964235-20-8
3,6-dichloro-N-[2-(2-methyl-1,3-thiazol-4-yl)ethyl]pyridazine-4-carboxamide	1964117-88-1
3,6-dichloro-N-[2-(1H-1,2,3-triazol-1-yl)ethyl]pyridazine-4-carboxamide	1962807-54-0
3,6-dichloro-N-[2-(1,3-thiazol-2-yl)ethyl]pyridazine-4-carboxamide	1961467-67-3
1-(2-{[(3,6-dichloropyridazin-4-yl)carbonyl]amino}ethyl)-1H-imidazole-4-carboxylic acid	1961444-14-3
3,6-dichloro-N-[2-(1H-pyrrol-1-yl)ethyl]pyridazine-4-carboxamide	1960924-96-2
3,6-dichloro-N-[2-(1-methyl-1H-pyrazol-3-yl)ethyl]pyridazine-4-carboxamide	1960200-68-3
3,6-dichloro-N-[2-(1-methyl-1H-pyrazol-4-yl)ethyl]pyridazine-4-carboxamide	1958752-66-3
3,6-dichloro-N-[2-(5-methyl-1,2,4-oxadiazol-3-yl)ethyl]pyridazine-4-carboxamide	1933260-88-8
3,6-dichloro-N-[2-(1H-pyrazol-1-yl)ethyl]pyridazine-4-carboxamide	1930978-75-8
3,6-dichloro-N-[2-(1H-imidazol-1-yl)ethyl]pyridazine-4-carboxamide	1930978-73-6
3,6-dichloro-N-[2-(1-methyl-1H-1,2,4-triazol-3-yl)ethyl]pyridazine-4-carboxamide	1927605-14-8
3,6-dichloro-N-[2-(1H-imidazol-2-yl)ethyl]pyridazine-4-carboxamide	1777228-56-4
2-(2-{[(3,6-dichloropyridazin-4-yl)carbonyl]amino}ethyl)-1,3-thiazole-4-carboxylic acid	1515904-17-2
3,6-dichloro-N-[2-(1H-imidazol-5-yl)ethyl]pyridazine-4-carboxamide	1496013-42-3
1-(2-{[(3,6-dichloropyridazin-4-yl)carbonyl]amino}ethyl)-1H-1,2,3-triazole-4-carboxylic acid	1489434-01-6
3,6-dichloro-N-[2-(4H-1,2,4-triazol-3-yl)ethyl]pyridazine-4-carboxamide	1464902-43-9
3,6-dichloro-N-[2-(1,3-thiazol-2-yl)propyl]pyridazine-4-carboxamide	1988735-54-1
3,6-dichloro-N-[2-(4-methyl-4H-1,2,4-triazol-3-yl)ethyl]pyridazine-4-carboxamide	1983344-17-7
3,6-dichloro-N-[1-(1H-imidazol-1-yl)propan-2-yl]pyridazine-4-carboxamide	1983343-54-9
3,6-dichloro-N-methyl-N-[2-(2-thienyl)ethyl]pyridazine-4-carboxamide	1982231-69-5
3,6-dichloro-N-ethyl-N-(2-phenylethyl)pyridazine-4-carboxamide	1963485-83-7
3,6-dichloro-N-(2-methyl-2-phenylpropyl)pyridazine-4-carboxamide	1963333-18-7
3,6-dichloro-N-(1-phenylpropan-2-yl)pyridazine-4-carboxamide	1963325-02-1
3,6-dichloro-N-[1-(5-methyl-2-thienyl)propan-2-yl]pyridazine-4-carboxamide	1963295-24-0
3,6-dichloro-N-[1-(3-thienyl)propan-2-yl]pyridazine-4-carboxamide	1963266-60-5
3,6-dichloro-N-(2-phenylpropyl)pyridazine-4-carboxamide	1963249-31-1
3,6-dichloro-N-[1-(2-furyl)propan-2-yl]pyridazine-4-carboxamide	1963076-52-9
3,6-dichloro-N-methyl-N-[1-(2-thienyl)propan-2-yl]pyridazine-4-carboxamide	1962806-83-2
3,6-dichloro-N-[2-(1-methyl-1H-pyrazol-5-yl)ethyl]pyridazine-4-carboxamide	1961468-97-2
3,6-dichloro-N-[(2RS)-1-hydroxy-3-phenylpropan-2-yl]pyridazine-4-carboxamide	1961457-84-0
3,6-dichloro-N-[1-(1H-pyrazol-1-yl)propan-2-yl]pyridazine-4-carboxamide	1958753-58-6
3,6-dichloro-N-[1-(4-fluorophenyl)propan-2-yl]pyridazine-4-carboxamide	1958752-29-8
3,6-dichloro-N-methyl-N-(2-phenylethyl)pyridazine-4-carboxamide	1958751-61-5
3,6-dichloro-N-[(2RS)-1-hydroxy-3-phenylpropan-2-yl]pyridazine-4-carboxamide	1942775-34-9
3,6-dichloro-N-[1-(3-chlorophenyl)propan-2-yl]pyridazine-4-carboxamide	1939278-50-8
3,6-dichloro-N-[1-(2-chlorophenyl)propan-2-yl]pyridazine-4-carboxamide	1931658-69-3
3,6-dichloro-N-[2-(2-methylphenyl)ethyl]pyridazine-4-carboxamide	1931068-89-1
N-[1-(4-bromophenyl)propan-2-yl]-3,6-dichloropyridazine-4-carboxamide	1930978-36-1
3,6-dichloro-N-[1-(2-methylphenyl)propan-2-yl]pyridazine-4-carboxamide	1930464-45-1
3,6-dichloro-N-(1-hydroxy-3-phenylpropan-2-yl)pyridazine-4-carboxamide	1409556-04-2
N-{[3-chloro-6-(4-chlorophenyl)pyridazin-4-yl]carbonyl}phenylalanine	1349429-86-2
3,6-dichloro-N-methyl-N-[2-(pyridin-2-yl)ethyl]pyridazine-4-carboxamide	1942811-41-7
3,6-dichloro-N-[2-methyl-2-(2-thienyl)propyl]pyridazine-4-carboxamide	1939857-30-3
3,6-dichloro-N-[1-(2-thienyl)propan-2-yl]pyridazine-4-carboxamide	1931658-73-9
3,6-dichloro-N-methyl-N-[2-(pyridin-4-yl)ethyl]pyridazine-4-carboxamide	1930978-46-3
3,6-dichloro-N-[2-(1-methyl-1H-imidazol-2-yl)ethyl]pyridazine-4-carboxamide	1930465-02-3
N-[(3,6-dichloropyridazin-4-yl)carbonyl]histidine	1922906-07-7

Further intermediates are compounds of formula (3):

(3)



wherein

G is halogen,

n=1 and m=1,

R^1 is hydrogen, hydroxyl, C_1-C_6-alkyl or C_1-C_6-alkoxy

R^3 and R^4 form together with the carbon atom to which they are attached to, a C_3-C_8-cycloalkyl,

R^2 and R^5 are as described herein,

R^6 is as described herein,

R^7 is selected from the group consisting of hydrogen, halogen, hydroxyl, mercapto, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_2-C_6-alkenyloxy, C_2-C_6-haloalkenyloxy, C_2-C_6-alkynyloxy, C_2-C_6-haloalkynyloxy, C_1-C_6-alkylsulfanyl, C_1-C_6-haloalkylsulfanyl, C_3-C_8-cycloalkyl, C_3-C_6-cycloalkenyl, C_3-C_8-cycloalkyloxy, aromatic C_6-C_{14}-carbocyclyloxy, aromatic 5- or 6-membered monocyclic heterocyclyloxy, non-aromatic 3- to 7-membered monocyclic heterocyclyloxy and —$N(R^e)_2$ with R^e being as disclosed herein and wherein R^7 and R^e may be substituted as disclosed herein,

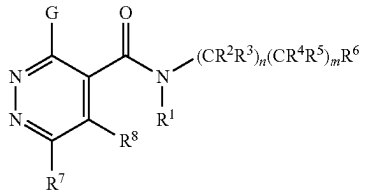
R^8 is hydrogen or C_1-C_6-alkyl,

provided that the compound of formula (3) is not

rel-3,6-dichloro-N-[(1R,2S)-2-phenylcyclopropyl]pyridazine-4-carboxamide	1931070-77-7
3-chloro-N-[rac-(1R,2R)-2-(4-chlorophenyl)cyclobutyl]pyridazine-4-carboxamide	1644254-75-0
3-chloro-N-[rac-(1R,2R)-2-(2,4-dichlorophenyl)cyclobutyl]pyridazine-4-carboxamide	1644254-74-9
3-chloro-N-[rac-(1R,2R)-2-(2-fluorophenyl)cyclobutyl]pyridazine-4-carboxamide	1644253-02-0
3-chloro-N-[rac-(1R,2R)-2-(2,4-difluorophenyl)cyclobutyllpyridazine-4-carboxamide	1644253-01-9

Further intermediates are compounds of formula (3):

(3)



wherein

G is halogen,

n=0 and m=0,

R^1 is hydrogen, hydroxyl, C_1-C_6-alkyl or C_1-C_6-alkoxy,

R^6 is selected from the group consisting of non-aromatic C_7-C_{12}-carbocyclyloxy, aromatic C_6-C_{14}-carbocyclyloxy, aromatic 5- to 14-membered heterocyclyloxy, non-aromatic 7- to 14-membered heterocyclyloxy, C_1-C_3-alkoxy substituted by a non-aromatic C_7-C_{12}-carbocycle, an aromatic C_6-C_{14}-carbocycle, a non-aromatic 7- to 14-membered heterocycle or an aromatic 5- to 14-membered heterocycle, and C_1-C_3-haloalkoxy substituted by a non-aromatic C_7-C_{12}-carbocycle, an aromatic C_6-C_{1-4}-carbocycle, a non-aromatic 7- to 14-membered heterocycle or an aromatic 5- to 14-membered heterocycle as described herein,

R^7 is selected from the group consisting of hydrogen, halogen, hydroxyl, mercapto, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_2-C_6-alkenyloxy, C_2-C_6-haloalkenyloxy, C_2-C_6-alkynyloxy, C_2-C_6-haloalkynyloxy, C_1-C_6-alkylsulfanyl, C_1-C_6-haloalkylsulfanyl, C_3-C_8-cycloalkyl, C_3-C_6-cycloalkenyl, C_3-C_8-cycloalkyloxy, aromatic C_6-C_{14}-carbocyclyloxy, aromatic 5- or 6-membered monocyclic heterocyclyloxy, non-aromatic 3- to 7-membered monocyclic heterocyclyloxy and —$N(R^e)_2$ with R^e being as disclosed herein and wherein R^7 and R^e may be substituted as disclosed herein,

R^8 is hydrogen or C_1-C_6-alkyl,

provided that the compound of formula (3) is not

3,6-dichloro-N-[2-(3-methylphenoxy)ethyl]pyridazine-4-carboxamide	1919457-49-0
3,6-dichloro-N-(2-phenoxyethyl)pyridazine-4-carboxamide	1911438-37-3
N-[1-(benzyloxy)-2-methylpropan-2-yl]-3,6-dichloropyridazine-4-carboxamide	1852826-24-4

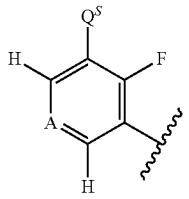
-continued

N-[2-(benzyloxy)ethyl]-3,6-dichloropyridazine-4-carboxamide	1852733-87-9
N-[1-(benzyloxy)propan-2-yl]-3,6-dichloropyridazine-4-carboxamide	1852693-57-2
N-(benzyloxy)-3,6-dichloropyridazine-4-carboxamide	1479914-20-9
3,6-dichloro-N-methyl-N-(2-phenoxyethyl)pyridazine-4-carboxamide	1931658-25-1

Intermediates according to the present invention are compounds of formula (4):

Q-OH (4)

wherein Q is:



wherein

A is C—H or N,

Q^S is selected from the group consisting of C_3-C_4-cycloalkyl, C_3-C_4-halocycloalkyl, C_2-C_6-alkenyl, C_2-C_6-haloalkenyl and C_2-C_6-alkynyl,

provided that the compound of formula (4) does not represent:

2-fluoro-3-(3,3,3-trifluoroprop-1-en-2-yl)phenol	2168012-00-6
3-(1-ethoxyvinyl)-2-fluorophenol	2137960-04-2
1-(2-fluoro-3-hydroxyphenyl)cyclopropanecarbonitrile	1881320-49-5
3-(1-aminocyclopropyl)-2-fluorophenol	1785193-75-0
1-(2-fluoro-3-hydroxyphenyl)cyclopropanecarboxylic acid	1507131-96-5
2-fluoro-3-(prop-1-en-2-yl)phenol	1375066-38-8

Compositions and Formulations

The present invention further relates to a composition, in particular a composition for controlling unwanted phytopathogenic microorganisms. The compositions may be applied to the microorganisms and/or in their habitat.

The composition typically comprises at least one compound of formula (I) and at least one agriculturally suitable auxiliary, e.g. carrier(s) and/or surfactant(s).

A carrier is a solid or liquid, natural or synthetic, organic or inorganic substance that is generally inert. The carrier generally improves the application of the compounds, for instance, to plants, plants parts or seeds. Examples of suitable solid carriers include, but are not limited to, ammonium salts, natural rock flours, such as kaolins, clays, talc, chalk, quartz, attapulgite, montmorillonite and diatomaceous earth, and synthetic rock flours, such as finely divided silica, alumina and silicates. Examples of typically useful solid carriers for preparing granules include, but are not limited to crushed and fractionated natural rocks such as calcite, marble, pumice, sepiolite and dolomite, synthetic granules of inorganic and organic flours and granules of organic material such as paper, sawdust, coconut shells, maize cobs and tobacco stalks. Examples of suitable liquid carriers include, but are not limited to, water, organic solvents and combinations thereof. Examples of suitable solvents include polar and nonpolar organic chemical liquids, for example from the classes of aromatic and nonaromatic hydrocarbons (such as cyclohexane, paraffins, alkylbenzenes, xylene, toluene alkylnaphthalenes, chlorinated aromatics or chlorinated aliphatic hydrocarbons such as chlorobenzenes, chloroethylenes or methylene chloride), alcohols and polyols (which may optionally also be substituted, etherified and/or esterified, such as butanol or glycol), ketones (such as acetone, methyl ethyl ketone, methyl isobutyl ketone or cyclohexanone), esters (including fats and oils) and (poly)ethers, unsubstituted and substituted amines, amides (such as dimethylformamide), lactams (such as N-alkylpyrrolidones) and lactones, sulfones and sulfoxides (such as dimethyl sulfoxide). The carrier may also be a liquefied gaseous extender, i.e. liquid which is gaseous at standard temperature and under standard pressure, for example aerosol propellants such as halohydrocarbons, butane, propane, nitrogen and carbon dioxide. The amount of carrier typically ranges from 1 to 99.99%, preferably from 5 to 99.9%, more preferably from 10 to 99.5%, and most preferably from 20 to 99% by weight of the composition.

The surfactant can be an ionic (cationic or anionic) or non-ionic surfactant, such as ionic or non-ionic emulsifier(s), foam former(s), dispersant(s), wetting agent(s) and any mixtures thereof. Examples of suitable surfactants include, but are not limited to, salts of polyacrylic acid, salts of lignosulfonic acid, salts of phenolsulfonic acid or naphthalenesulfonic acid, polycondensates of ethylene and/or propylene oxide with fatty alcohols, fatty acids or fatty amines (polyoxyethylene fatty acid esters, polyoxyethylene fatty alcohol ethers, for example alkylaryl polyglycol ethers), substituted phenols (preferably alkylphenols or arylphenols), salts of sulfosuccinic esters, taurine derivatives (preferably alkyl taurates), phosphoric esters of polyethoxylated alcohols or phenols, fatty esters of polyols and derivatives of compounds containing sulfates, sulfonates, phosphates (for example, alkylsulfonates, alkyl sulfates, arylsulfonates) and protein hydrolysates, lignosulfite waste liquors and methylcellulose. A surfactant is typically used when the compound of formula (I) and/or the carrier is insoluble in water and the application is made with water. Then, the amount of surfactants typically ranges from 5 to 40% by weight of the composition.

Further examples of suitable auxiliaries include water repellents, siccatives, binders (adhesive, tackifier, fixing agent, such as carboxymethylcellulose, natural and synthetic polymers in the form of powders, granules or latices, such as gum arabic, polyvinyl alcohol and polyvinyl acetate, natural phospholipids such as cephalins and lecithins and synthetic phospholipids, polyvinylpyrrolidone and tylose), thickeners, stabilizers (e.g. cold stabilizers, preservatives, antioxidants, light stabilizers, or other agents which improve chemical and/or physical stability), dyes or pigments (such as inorganic pigments, e.g. iron oxide, titanium oxide and Prussian Blue, organic dyes, e.g. alizarin, azo and metal phthalocyanine dyes), antifoams (e.g. silicone antifoams and magnesium stearate), preservatives (e.g. dichlorophene and benzyl alcohol hemiformal), secondary thickeners (cellulose derivatives, acrylic acid derivatives, xanthan, modified clays and finely divided silica), stickers, gibberellins and processing auxiliaries, mineral and vegetable oils, perfumes, waxes, nutrients (including trace nutrients, such as salts of iron,

manganese, boron, copper, cobalt, molybdenum and zinc), protective colloids, thixotropic substances, penetrants, sequestering agents and complex formers.

The choice of the auxiliaries is related to the intended mode of application of the compound of formula (I) and/or on the physical properties. Furthermore, the auxiliaries may be chosen to impart particular properties (technical, physical and/or biological properties) to the compositions or use forms prepared therefrom. The choice of auxiliaries may allow customizing the compositions to specific needs.

The composition may be in any customary form, such as solutions (e.g aqueous solutions), emulsions, wettable powders, water- and oil-based suspensions, powders, dusts, pastes, soluble powders, soluble granules, granules for broadcasting, suspoemulsion concentrates, natural or synthetic products impregnated with the compound of formula (I), fertilizers and also microencapsulations in polymeric substances. The compound of formula (I) may be present in a suspended, emulsified or dissolved form.

The composition may be provided to the end user as ready-for-use formulation, i.e. the compositions may be directly applied to the plants or seeds by a suitable device, such as a spraying or dusting device. Alternatively, the compositions may be provided to the end user in the form of concentrates which have to be diluted, preferably with water, prior to use.

The composition can be prepared in conventional manners, for example by mixing the compound of formula (I) with one or more suitable auxiliaries, such as disclosed herein above.

The composition contains generally from 0.01 to 99% by weight, from 0.05 to 98% by weight, preferably from 0.1 to 95% by weight, more preferably from 0.5 to 90% by weight, most preferably from 1 to 80% by weight of the compound of formula (I). It is possible that a composition comprises two or more compounds formula (I). In such case the outlined ranges refer to the total amount of compounds of the present invention.

Mixtures/Combinations

The compound of formula (I) and composition comprising thereof can be mixed with other active ingredients like fungicides, bactericides, acaricides, nematicides, insecticides, herbicides, fertilizers, growth regulators, safeners or semiochemicals. This may allow to broaden the activity spectrum or to prevent development of resistance. Examples of known fungicides, insecticides, acaricides, nematicides and bactericides are disclosed in the Pesticide Manual, 17th Edition.

Examples of especially preferred fungicides which could be mixed with the compound of formula (I) and the composition are:

1) Inhibitors of the ergosterol biosynthesis, for example (1.001) cyproconazole, (1.002) difenoconazole, (1.003) epoxiconazole, (1.004) fenhexamid, (1.005) fenpropidin, (1.006) fenpropimorph, (1.007) fenpyrazamine, (1.008) fluquinconazole, (1.009) flutriafol, (1.010) imazalil, (1.011) imazalil sulfate, (1.012) ipconazole, (1.013) metconazole, (1.014) myclobutanil, (1.015) paclobutrazol, (1.016) prochloraz, (1.017) propiconazole, (1.018) prothioconazole, (1.019) Pyrisoxazole, (1.020) spiroxamine, (1.021) tebuconazole, (1.022) tetraconazole, (1.023) triadimenol, (1.024) tridemorph, (1.025) triticonazole, (1.026) (1R,2S,5S)-5-(4-chlorobenzyl)-2-(chloromethyl)-2-methyl-1-(1H-1,2,4-triazol-1-ylmethyl)cyclopentanol, (1.027) (1S,2R,5R)-5-(4-chlorobenzyl)-2-(chloromethyl)-2-methyl-1-(1H-1,2,4-triazol-1-ylmethyl)cyclopentanol, (1.028) (2R)-2-(1-chlorocyclopropyl)-4-[(1R)-2,2-dichlorocyclopropyl]-1-(1H-1,2,4-triazol-1-yl)butan-2-ol, (1.029) (2R)-2-(1-chlorocyclopropyl)-4-[(1S)-2,2-dichlorocyclopropyl]-1-(1H-1,2,4-triazol-1-yl)butan-2-ol, (1.030) (2R)-2-[4-(4-chlorophenoxy)-2-(trifluoromethyl)phenyl]-1-(1H-1,2,4-triazol-1-yl)propan-2-ol, (1.031) (2S)-2-(1-chlorocyclopropyl)-4-[(1R)-2,2-dichlorocyclopropyl]-1-(1H-1,2,4-triazol-1-yl)butan-2-ol, (1.032) (2S)-2-(1-chlorocyclopropyl)-4-[(1S)-2,2-dichlorocyclopropyl]-1-(1H-1,2,4-triazol-1-yl)butan-2-ol, (1.033) (2S)-2-[4-(4-chlorophenoxy)-2-(trifluoromethyl)phenyl]-1-(1H-1,2,4-triazol-1-yl)propan-2-ol, (1.034) (R)-[3-(4-chloro-2-fluorophenyl)-5-(2,4-difluorophenyl)-1,2-oxazol-4-yl](pyridin-3-yl)methanol, (1.035) (S)-[3-(4-chloro-2-fluorophenyl)-5-(2,4-difluorophenyl)-1,2-oxazol-4-yl](pyridin-3-yl)methanol, (1.036) [3-(4-chloro-2-fluorophenyl)-5-(2,4-difluorophenyl)-1,2-oxazol-4-yl](pyridin-3-yl)methanol, (1.037) 1-({(2R,4S)-2-[2-chloro-4-(4-chlorophenoxy)phenyl]-4-methyl-1,3-dioxolan-2-yl}methyl)-1H-1,2,4-triazole, (1.038) 1-({(2S,4S)-2-[2-chloro-4-(4-chlorophenoxy)phenyl]-4-methyl-1,3-dioxolan-2-yl}methyl)-1H-1,2,4-triazole, (1.039) 1-{[3-(2-chlorophenyl)-2-(2,4-difluorophenyl)oxiran-2-yl]methyl}-1H-1,2,4-triazol-5-yl thiocyanate, (1.040) 1-{[rel(2R,3R)-3-(2-chlorophenyl)-2-(2,4-difluorophenyl)oxiran-2-yl]methyl}-1H-1,2,4-triazol-5-yl thiocyanate, (1.041) 1-{[rel(2R,3S)-3-(2-chlorophenyl)-2-(2,4-difluorophenyl)oxiran-2-yl]methyl}-1H-1,2,4-triazol-5-yl thiocyanate, (1.042)2-[(2R,4R,5R)-1-(2,4-dichlorophenyl)-5-hydroxy-2,6,6-trimethylheptan-4-yl]-2,4-dihydro-3H-1,2,4-triazole-3-thione, (1.043)2-[(2R,4R,5S)-1-(2,4-dichlorophenyl)-5-hydroxy-2,6,6-trimethylheptan-4-yl]-2,4-dihydro-3H-1,2,4-triazole-3-thione, (1.044)2-[(2R,4S,5R)-1-(2,4-dichlorophenyl)-5-hydroxy-2,6,6-trimethylheptan-4-yl]-2,4-dihydro-3H-1,2,4-triazole-3-thione, (1.045)2-[(2R,4S,5S)-1-(2,4-dichlorophenyl)-5-hydroxy-2,6,6-trimethylheptan-4-yl]-2,4-dihydro-3H-1,2,4-triazole-3-thione, (1.046)2-[(2S,4R,5R)-1-(2,4-dichlorophenyl)-5-hydroxy-2,6,6-trimethylheptan-4-yl]-2,4-dihydro-3H-1,2,4-triazole-3-thione, (1.047)2-[(2S,4R,5S)-1-(2,4-dichlorophenyl)-5-hydroxy-2,6,6-trimethylheptan-4-yl]-2,4-dihydro-3H-1,2,4-triazole-3-thione, (1.048)2-[(2S,4S,5R)-1-(2,4-dichlorophenyl)-5-hydroxy-2,6,6-trimethylheptan-4-yl]-2,4-dihydro-3H-1,2,4-triazole-3-thione, (1.049)2-[(2S,4S,5S)-1-(2,4-dichlorophenyl)-5-hydroxy-2,6,6-trimethylheptan-4-yl]-2,4-dihydro-3H-1,2,4-triazole-3-thione, (1.050)2-[1-(2,4-dichlorophenyl)-5-hydroxy-2,6,6-trimethylheptan-4-yl]-2,4-dihydro-3H-1,2,4-triazole-3-thione, (1.051)2-[2-chloro-4-(2,4-dichlorophenoxy)phenyl]-1-(1H-1,2,4-triazol-1-yl)propan-2-ol, (1.052)2-[2-chloro-4-(4-chlorophenoxy)phenyl]-1-(1H-1,2,4-triazol-1-yl)butan-2-ol, (1.053)2-[4-(4-chlorophenoxy)-2-(trifluoromethyl)phenyl]-1-(1H-1,2,4-triazol-1-yl)butan-2-ol, (1.054)2-[4-(4-chlorophenoxy)-2-(trifluoromethyl)phenyl]-1-(1H-1,2,4-triazol-1-yl)pentan-2-ol, (1.055) Mefentrifluconazole, (1.056)2-{[3-(2-chlorophenyl)-2-(2,4-difluorophenyl)oxiran-2-yl]methyl}-2,4-dihydro-3H-1,2,4-triazole-3-thione, (1.057)2-{[rel(2R,3R)-3-(2-chlorophenyl)-2-(2,4-difluorophenyl)oxiran-2-yl]methyl}-2,4-dihydro-3H-1,2,4-triazole-3-thione, (1.058)2-{[rel(2R,3S)-3-(2-chlorophenyl)-2-(2,4-difluorophenyl)oxiran-2-yl]methyl}-2,4-dihydro-3H-1,2,4-triazole-3-thione, (1.059) 5-(4-chlorobenzyl)-2-(chloromethyl)-2-methyl-1-(1H-1,2,4-triazol-1-ylmethyl)cyclopentanol, (1.060) 5-(allylsulfanyl)-1-{[3-(2-chlorophenyl)-2-(2,4-difluorophenyl)oxiran-2-yl]methyl}-1H-1,2,4-triazole, (1.061) 5-(allylsulfanyl)-1-{[rel(2R,3R)-3-(2-chlorophenyl)-2-(2,4-difluorophenyl)oxiran-2-yl]methyl}-1H-1,2,4-triazole, (1.062) 5-(allylsulfanyl)-1-{[rel(2R,3S)-3-(2-chlorophenyl)-2-(2,4-difluorophenyl)oxiran-2-yl]methyl}-1H-1,2,4-triazole, (1.063) N'-(2,5-dimethyl-4-

{[3-(1,1,2,2-tetrafluoroethoxy)phenyl]sulfanyl}phenyl)-N-ethyl-N-methylimidoformamide, (1.064) N'-(2,5-dimethyl-4-{[3-(2,2,2-trifluoroethoxy)phenyl]sulfanyl}phenyl)-N-ethyl-N-methylimidoformamide, (1.065) N'-(2,5-dimethyl-4-{[3-(2,2,3,3-tetrafluoropropoxy)phenyl]sulfanyl}phenyl)-N-ethyl-N-methylimidoformamide, (1.066) N'-(2,5-dimethyl-4-{[3-(pentafluoroethoxy)phenyl]sulfanyl}phenyl)-N-ethyl-N-methylimidoformamide, (1.067) N'-(2,5-dimethyl-4-{3-[(1,1,2,2-tetrafluoroethyl)sulfanyl]phenoxy}phenyl)-N-ethyl-N-methylimidoformamide, (1.068) N'-(2,5-dimethyl-4-{3-[(2,2,2-trifluoroethyl)sulfanyl]phenoxy}phenyl)-N-ethyl-N-methylimidoformamide, (1.069) N'-(2,5-dimethyl-4-{3-[(2,2,3,3-tetrafluoropropyl)sulfanyl]phenoxy}phenyl)-N-ethyl-N-methylimidoformamide, (1.070) N'-(2,5-dimethyl-4-{3-[(pentafluoroethyl)sulfanyl]phenoxy}phenyl)-N-ethyl-N-methylimidoformamide, (1.071) N'-(2,5-dimethyl-4-phenoxyphenyl)-N-ethyl-N-methylimidoformamide, (1.072) N'-(4-{[3-(difluoromethoxy)phenyl]sulfanyl}-2,5-dimethylphenyl)-N-ethyl-N-methylimidoformamide, (1.073) N'-(4-{3-[(difluoromethyl)sulfanyl]phenoxy}-2,5-dimethylphenyl)-N-ethyl-N-methylimidoformamide, (1.074) N'-[5-bromo-6-(2,3-dihydro-1H-inden-2-yloxy)-2-methylpyridin-3-yl]-N-ethyl-N-methylimidoformamide, (1.075) N'-{4-[(4,5-dichloro-1,3-thiazol-2-yl)oxy]-2,5-dimethylphenyl}-N-ethyl-N-methylimidoformamide, (1.076) N'-{5-bromo-6-[(1R)-1-(3,5-difluorophenyl)ethoxy]-2-methylpyridin-3-yl}-N-ethyl-N-methylimidoformamide, (1.077) N'-{5-bromo-6-[(1S)-1-(3,5-difluorophenyl)ethoxy]-2-methylpyridin-3-yl}-N-ethyl-N-methylimidoformamide, (1.078) N'-{5-bromo-6-[(cis-4-isopropylcyclohexyl)oxy]-2-methylpyridin-3-yl}-N-ethyl-N-methylimidoformamide, (1.079) N'-{5-bromo-6-[(trans-4-isopropylcyclohexyl)oxy]-2-methylpyridin-3-yl}-N-ethyl-N-methylimidoformamide, (1.080) N'-{5-bromo-6-[1-(3,5-difluorophenyl)ethoxy]-2-methylpyridin-3-yl}-N-ethyl-N-methylimidoformamide, (1.081) Ipfentrifluconazole.

2) Inhibitors of the respiratory chain at complex I or II, for example (2.001) benzovindiflupyr, (2.002) bixafen, (2.003) boscalid, (2.004) carboxin, (2.005) fluopyram, (2.006) flutolanil, (2.007) fluxapyroxad, (2.008) furametpyr, (2.009) Isofetamid, (2.010) isopyrazam (anti-epimeric enantiomer 1R,4S,9S), (2.011) isopyrazam (anti-epimeric enantiomer 1S,4R,9R), (2.012) isopyrazam (anti-epimeric racemate 1RS,4SR,9SR), (2.013) isopyrazam (mixture of syn-epimeric racemate 1RS,4SR,9RS and anti-epimeric racemate 1RS,4SR,9SR), (2.014) isopyrazam (syn-epimeric enantiomer 1R,4S,9R), (2.015) isopyrazam (syn-epimeric enantiomer 1S,4R,9S), (2.016) isopyrazam (syn-epimeric racemate 1RS,4SR,9RS), (2.017) penflufen, (2.018) penthiopyrad, (2.019) pydiflumetofen, (2.020) Pyraziflumid, (2.021) sedaxane, (2.022) 1,3-dimethyl-N-(1,1,3-trimethyl-2,3-dihydro-1H-inden-4-yl)-1H-pyrazole-4-carboxamide, (2.023) 1,3-dimethyl-N-[(3R)-1,1,3-trimethyl-2,3-dihydro-1H-inden-4-yl]-1H-pyrazole-4-carboxamide, (2.024) 1,3-dimethyl-N-[(3S)-1,1,3-trimethyl-2,3-dihydro-1H-inden-4-yl]-1H-pyrazole-4-carboxamide, (2.025) 1-methyl-3-(trifluoromethyl)-N-[2'-(trifluoromethyl)biphenyl-2-yl]-1H-pyrazole-4-carboxamide, (2.026)$_2$-fluoro-6-(trifluoromethyl)-N-(1,1,3-trimethyl-2,3-dihydro-1H-inden-4-yl)benzamide, (2.027)3-(difluoromethyl)-1-methyl-N-(1,1,3-trimethyl-2,3-dihydro-1H-inden-4-yl)-1H-pyrazole-4-carboxamide, (2.028)3-(difluoromethyl)-1-methyl-N-[(3R)-1,1,3-trimethyl-2,3-dihydro-1H-inden-4-yl]-1H-pyrazole-4-carboxamide, (2.029)3-(difluoromethyl)-1-methyl-N-[(3S)-1,1,3-trimethyl-2,3-dihydro-1H-inden-4-yl]-1H-pyrazole-4-carboxamide, (2.030) Fluindapyr, (2.031)3-(difluoromethyl)-N-[(3R)-7-fluoro-1,1,3-trimethyl-2,3-dihydro-1H-inden-4-yl]-1-methyl-1H-pyrazole-4-carboxamide, (2.032)3-(difluoromethyl)-N-[(3S)-7-fluoro-1,1,3-trimethyl-2,3-dihydro-1H-inden-4-yl]-1-methyl-1H-pyrazole-4-carboxamide, (2.033) 5,8-difluoro-N-[2-(2-fluoro-4-{[4-(trifluoromethyl)pyridin-2-yl]oxy}-phenyl)ethyl]quinazolin-4-amine, (2.034)N-(2-cyclopentyl-5-fluorobenzyl)-N-cyclopropyl-3-(difluoromethyl)-5-fluoro-1-methyl-1H-pyrazole-4-carboxamide, (2.035)N-(2-tert-butyl-5-methylbenzyl)-N-cyclopropyl-3-(difluoromethyl)-5-fluoro-1-methyl-1H-pyrazole-4-carboxamide, (2.036)N-(2-tert-butylbenzyl)-N-cyclopropyl-3-(difluoromethyl)-5-fluoro-1-methyl-1H-pyrazole-4-carboxamide, (2.037) N-(5-chloro-2-ethylbenzyl)-N-cyclopropyl-3-(difluoromethyl)-5-fluoro-1-methyl-1H-pyrazole-4-carboxamide, (2.038) isoflucypram, (2.039)N-[(1R,4S)-9-(dichloromethylene)-1,2,3,4-tetrahydro-1,4-methanonaphthalen-5-yl]-3-(difluoromethyl)-1-methyl-1H-pyrazole-4-carboxamide, (2.040)N-[(1S,4R)-9-(dichloromethylene)-1,2,3,4-tetrahydro-1,4-methanonaphthalen-5-yl]-3-(difluoromethyl)-1-methyl-1H-pyrazole-4-carboxamide, (2.041)N-[1-(2,4-dichlorophenyl)-1-methoxypropan-2-yl]-3-(difluoromethyl)-1-methyl-1H-pyrazole-4-carboxamide, (2.042)N-[2-chloro-6-(trifluoromethyl)benzyl]-N-cyclopropyl-3-(difluoromethyl)-5-fluoro-1-methyl-1H-pyrazole-4-carboxamide, (2.043)N-[3-chloro-2-fluoro-6-(trifluoro-methyl)benzyl]-N-cyclopropyl-3-(difluoromethyl)-5-fluoro-1-methyl-1H-pyrazole-4-carboxamide, (2.044) N-[5-chloro-2-(trifluoromethyl)benzyl]-N-cyclopropyl-3-(difluoromethyl)-5-fluoro-1-methyl-1H-pyrazole-4-carboxamide, (2.045)N-cyclopropyl-3-(difluoromethyl)-5-fluoro-1-methyl-N-[5-methyl-2-(trifluoro-methyl)benzyl]-1H-pyrazole-4-carboxamide, (2.046)N-cyclopropyl-3-(difluoromethyl)-5-fluoro-N-(2-fluoro-6-isopropylbenzyl)-1-methyl-1H-pyrazole-4-carboxamide, (2.047)N-cyclopropyl-3-(difluoro-methyl)-5-fluoro-N-(2-isopropyl-5-methylbenzyl)-1-methyl-1H-pyrazole-4-carboxamide, (2.048)N-cyclopropyl-3-(difluoromethyl)-5-fluoro-N-(2-isopropylbenzyl)-1-methyl-1H-pyrazole-4-carbothioamide, (2.049)N-cyclopropyl-3-(difluoromethyl)-5-fluoro-N-(2-isopropylbenzyl)-1-methyl-1H-pyrazole-4-carboxamide, (2.050)N-cyclopropyl-3-(difluoromethyl)-5-fluoro-N-(5-fluoro-2-isopropylbenzyl)-1-methyl-1H-pyrazole-4-carboxamide, (2.051)N-cyclopropyl-3-(difluoromethyl)-N-(2-ethyl-4,5-dimethylbenzyl)-5-fluoro-1-methyl-1H-pyrazole-4-carboxamide, (2.052)N-cyclopropyl-3-(difluoro-methyl)-N-(2-ethyl-5-fluorobenzyl)-5-fluoro-1-methyl-1H-pyrazole-4-carboxamide, (2.053)N-cyclopropyl-3-(difluoromethyl)-N-(2-ethyl-5-methylbenzyl)-5-fluoro-1-methyl-1H-pyrazole-4-carboxamide, (2.054)N-cyclopropyl-N-(2-cyclopropyl-5-fluorobenzyl)-3-(difluoromethyl)-5-fluoro-1-methyl-1H-pyrazole-4-carboxamide, (2.055)N-cyclopropyl-N-(2-cyclopropyl-5-methylbenzyl)-3-(difluoromethyl)-5-fluoro-1-methyl-1H-pyrazole-4-carboxamide, (2.056)N-cyclopropyl-N-(2-cyclopropylbenzyl)-3-(difluoromethyl)-5-fluoro-1-methyl-1H-pyrazole-4-carboxamide, (2.057) pyrapropoyne.

3) Inhibitors of the respiratory chain at complex III, for example (3.001) ametoctradin, (3.002) amisulbrom, (3.003) azoxystrobin, (3.004) coumethoxystrobin, (3.005) coumoxystrobin, (3.006) cyazofamid, (3.007) dimoxystrobin, (3.008) enoxastrobin, (3.009) famoxadone, (3.010) fenamidone, (3.011) flufenoxystrobin, (3.012) fluoxastrobin, (3.013) kresoxim-methyl, (3.014) metominostrobin, (3.015) orysastrobin, (3.016) picoxystrobin, (3.017) pyraclostrobin, (3.018) pyrametostrobin, (3.019) pyraoxystrobin, (3.020) trifloxystrobin, (3.021) (2E)-2-{2-[({[(1E)-1-(3-{[(E)-1-

fluoro-2-phenylvinyl]oxy}phenyl)ethylidene]amino}oxy) methyl]phenyl}-2-(methoxyimino)-N-methylacetamide, (3.022) (2E,3Z)-5-{[1-(4-chlorophenyl)-1H-pyrazol-3-yl] oxy}-2-(methoxyimino)-N,3-dimethylpent-3-enamide, (3.023) (2R)-2-{2-[(2,5-dimethylphenoxy)methyl]phenyl}-2-methoxy-N-methylacetamide, (3.024) (2S)-2-{2-[(2,5-dimethylphenoxy)methyl]phenyl}-2-methoxy-N-methylacetamide, (3.025) (3S,6S,7R,8R)-8-benzyl-3-[({3-[(isobutyryloxy)methoxy]-4-methoxypyridin-2-yl}carbonyl)amino]-6-methyl-4,9-dioxo-1,5-dioxonan-7-yl 2-methylpropanoate, (3.026) mandestrobin, (3.027)N-(3-ethyl-3,5,5-trimethylcyclohexyl)-3-formamido-2-hydroxybenzamide, (3.028) (2E,3Z)-5-{[1-(4-chloro-2-fluorophenyl)-1H-pyrazol-3-yl]oxy}-2-(methoxyimino)-N,3-dimethylpent-3-enamide, (3.029) methyl {5-[3-(2,4-dimethylphenyl)-1H-pyrazol-1-yl]-2-methylbenzyl}carbamate, (3.030) metyltetraprole, (3.031) florylpicoxamid.

4) Inhibitors of the mitosis and cell division, for example (4.001) carbendazim, (4.002) diethofencarb, (4.003) ethaboxam, (4.004) fluopicolide, (4.005) pencycuron, (4.006) thiabendazole, (4.007) thiophanate-methyl, (4.008) zoxamide, (4.009)3-chloro-4-(2,6-difluorophenyl)-6-methyl-5-phenylpyridazine, (4.010)3-chloro-5-(4-chlorophenyl)-4-(2,6-difluorophenyl)-6-methylpyridazine, (4.011)3-chloro-5-(6-chloropyridin-3-yl)-6-methyl-4-(2,4,6-trifluorophenyl) pyridazine, (4.012) 4-(2-bromo-4-fluorophenyl)-N-(2,6-difluorophenyl)-1,3-dimethyl-1H-pyrazol-5-amine, (4.013) 4-(2-bromo-4-fluoro-phenyl)-N-(2-bromo-6-fluorophenyl)-1,3-dimethyl-1H-pyrazol-5-amine, (4.014) 4-(2-bromo-4-fluoro-phenyl)-N-(2-bromophenyl)-1,3-dimethyl-1H-pyrazol-5-amine, (4.015) 4-(2-bromo-4-fluorophenyl)-N-(2-chloro-6-fluorophenyl)-1,3-dimethyl-1H-pyrazol-5-amine, (4.016) 4-(2-bromo-4-fluorophenyl)-N-(2-chlorophenyl)-1,3-dimethyl-1H-pyrazol-5-amine, (4.017) 4-(2-bromo-4-fluorophenyl)-N-(2-fluoro-phenyl)-1,3-dimethyl-1H-pyrazol-5-amine, (4.018) 4-(2-chloro-4-fluorophenyl)-N-(2,6-difluorophenyl)-1,3-dimethyl-1H-pyrazol-5-amine, (4.019) 4-(2-chloro-4-fluorophenyl)-N-(2-chloro-6-fluorophenyl)-1,3-dimethyl-1H-pyrazol-5-amine, (4.020) 4-(2-chloro-4-fluorophenyl)-N-(2-chlorophenyl)-1,3-dimethyl-1H-pyrazol-5-amine, (4.021) 4-(2-chloro-4-fluorophenyl)-N-(2-fluorophenyl)-1,3-dimethyl-1H-pyrazol-5-amine, (4.022) 4-(4-chlorophenyl)-5-(2,6-difluorophenyl)-3,6-dimethylpyridazine, (4.023)N-(2-bromo-6-fluorophenyl)-4-(2-chloro-4-fluorophenyl)-1,3-dimethyl-1H-pyrazol-5-amine, (4.024)N-(2-bromo-phenyl)-4-(2-chloro-4-fluorophenyl)-1,3-dimethyl-1H-pyrazol-5-amine, (4.025)N-(4-chloro-2,6-difluoro-phenyl)-4-(2-chloro-4-fluorophenyl)-1,3-dimethyl-1H-pyrazol-5-amine.

5) Compounds capable to have a multisite action, for example (5.001) bordeaux mixture, (5.002) captafol, (5.003) captan, (5.004) chlorothalonil, (5.005) copper hydroxide, (5.006) copper naphthenate, (5.007) copper oxide, (5.008) copper oxychloride, (5.009) copper(2+) sulfate, (5.010) dithianon, (5.011) dodine, (5.012) folpet, (5.013) mancozeb, (5.014) maneb, (5.015) metiram, (5.016) metiram zinc, (5.017) oxine-copper, (5.018) propineb, (5.019) sulfur and sulfur preparations including calcium polysulfide, (5.020) thiram, (5.021) zineb, (5.022) ziram, (5.023) 6-ethyl-5,7-dioxo-6,7-dihydro-5H-pyrrolo[3',4':5,6][1,4]dithiino[2,3-c][1,2]thiazole-3-carbonitrile.

6) Compounds capable to induce a host defence, for example (6.001) acibenzolar-S-methyl, (6.002) isotianil, (6.003) probenazole, (6.004) tiadinil.

7) Inhibitors of the amino acid and/or protein biosynthesis, for example (7.001) cyprodinil, (7.002) kasugamycin, (7.003) kasugamycin hydrochloride hydrate, (7.004) oxytetracycline, (7.005) pyrimethanil, (7.006) 3-(5-fluoro-3,3,4,4-tetramethyl-3,4-dihydroisoquinolin-1-yl)quinoline.

8) Inhibitors of the ATP production, for example (8.001) silthiofam.

9) Inhibitors of the cell wall synthesis, for example (9.001) benthiavalicarb, (9.002) dimethomorph, (9.003) flumorph, (9.004) iprovalicarb, (9.005) mandipropamid, (9.006) pyrimorph, (9.007) valifenalate, (9.008) (2E)-3-(4-tert-butylphenyl)-3-(2-chloropyridin-4-yl)-1-(morpholin-4-yl)prop-2-en-1-one, (9.009) (2Z)-3-(4-tert-butylphenyl)-3-(2-chloropyridin-4-yl)-1-(morpholin-4-yl)prop-2-en-1-one.

10) Inhibitors of the lipid and membrane synthesis, for example (10.001) propamocarb, (10.002) propamocarb hydrochloride, (10.003) tolclofos-methyl.

11) Inhibitors of the melanin biosynthesis, for example (11.001) tricyclazole, (11.002) 2,2,2-trifluoroethyl {3-methyl-1-[(4-methylbenzoyl)amino]butan-2-yl}carbamate.

12) Inhibitors of the nucleic acid synthesis, for example (12.001) benalaxyl, (12.002) benalaxyl-M (kiralaxyl), (12.003) metalaxyl, (12.004) metalaxyl-M (mefenoxam).

13) Inhibitors of the signal transduction, for example (13.001) fludioxonil, (13.002) iprodione, (13.003) procymidone, (13.004) proquinazid, (13.005) quinoxyfen, (13.006) vinclozolin.

14) Compounds capable to act as an uncoupler, for example (14.001) fluazinam, (14.002) meptyldinocap.

15) Further compounds, for example (15.001) Abscisic acid, (15.002) benthiazole, (15.003) bethoxazin, (15.004) capsimycin, (15.005) carvone, (15.006) chinomethionat, (15.007) cufraneb, (15.008) cyflufenamid, (15.009) cymoxanil, (15.010) cyprosulfamide, (15.011) flutianil, (15.012) fosetyl-aluminium, (15.013) fosetyl-calcium, (15.014) fosetyl-sodium, (15.015) methyl isothiocyanate, (15.016) metrafenone, (15.017) mildiomycin, (15.018) natamycin, (15.019) nickel dimethyldithiocarbamate, (15.020) nitrothal-isopropyl, (15.021) oxamocarb, (15.022) oxathiapiprolin, (15.023) oxyfenthiin, (15.024) pentachlorophenol and salts, (15.025) phosphorous acid and its salts, (15.026) propamocarb-fosetylate, (15.027) pyriofenone (chlazafenone), (15.028) tebufloquin, (15.029) tecloftalam, (15.030) tolnifanide, (15.031) 1-(4-{4-[(5R)-5-(2,6-difluorophenyl)-4,5-dihydro-1,2-oxazol-3-yl]-1,3-thiazol-2-yl}piperidin-1-yl)-2-[5-methyl-3-(trifluoromethyl)-1H-pyrazol-1-yl]ethanone, (15.032) 1-(4-{4-[(5S)-5-(2,6-difluorophenyl)-4,5-dihydro-1,2-oxazol-3-yl]-1,3-thiazol-2-yl}piperidin-1-yl)-2-[5-methyl-3-(trifluoromethyl)-1H-pyrazol-1-yl]ethanone, (15.033)2-(6-benzylpyridin-2-yl)quinazoline, (15.034) dipymetitrone, (15.035)2-[3,5-bis(difluoromethyl)-1H-pyrazol-1-yl]-1-[4-(4-{5-[2-(prop-2-yn-1-yloxy)phenyl]-4,5-dihydro-1,2-oxazol-3-yl}-1,3-thiazol-2-yl)piperidin-1-yl]ethanone, (15.036)2-[3,5-bis(difluoromethyl)-1H-pyrazol-1-yl]-1-[4-(4-{5-[2-chloro-6-(prop-2-yn-1-yloxy)phenyl]-4,5-dihydro-1,2-oxazol-3-yl}-1,3-thiazol-2-yl)piperidin-1-yl]ethanone, (15.037)2-[3,5-bis(difluoromethyl)-1H-pyrazol-1-yl]-1-[4-(4-{5-[2-fluoro-6-(prop-2-yn-1-yloxy)phenyl]-4,5-dihydro-1,2-oxazol-3-yl}-1,3-thiazol-2-yl)piperidin-1-yl]ethanone, (15.038)2-[6-(3-fluoro-4-methoxyphenyl)-5-methylpyridin-2-yl]quinazoline, (15.039)2-{(5R)-3-[2-(1-{[3,5-bis(difluoromethyl)-1H-pyrazol-1-yl]acetyl}piperidin-4-yl)-1,3-thiazol-4-yl]-4,5-dihydro-1,2-oxazol-5-yl}-3-chlorophenyl methanesulfonate, (15.040)2-{(5S)-3-[2-(1-{[3,5-bis(difluoromethyl)-1H-pyrazol-1-yl]acetyl}piperidin-4-yl)-1,3-thiazol-4-yl]-4,5-dihydro-1,2-oxazol-5-yl}-3-chlorophenyl methanesulfonate, (15.041) Ipflufenoquin, (15.042)2-{2-fluoro-6-[(8-fluoro-2-methylquinolin-3-yl)oxy]phenyl}propan-2-ol, (15.043)2-{3-[2-(1-{[3,5-bis(dif-

luoromethyl)-1H-pyrazol-1-yl]acetyl}piperidin-4-yl)-1,3-thiazol-4-yl]-4,5-dihydro-1,2-oxazol-5-yl}-3-chlorophenyl methanesulfonate, (15.044)2-{3-[2-(1-{[3,5-bis(difluoromethyl)-1H-pyrazol-1-yl]acetyl}piperidin-4-yl)-1,3-thiazol-4-yl]-4,5-dihydro-1,2-oxazol-5-yl}phenyl methanesulfonate, (15.045)2-phenylphenol and salts, (15.046)$_3$-(4,4,5-trifluoro-3,3-dimethyl-3,4-dihydroisoquinolin-1-yl) quinoline, (15.047) quinofumelin, (15.048) 4-amino-5-fluoropyrimidin-2-ol (tautomeric form: 4-amino-5-fluoropyrimidin-2(1H)-one), (15.049) 4-oxo-4-[(2-phenylethyl)amino]butanoic acid, (15.050) 5-amino-1,3,4-thiadiazole-2-thiol, (15.051) 5-chloro-N'-phenyl-N'-(prop-2-yn-1-yl)thiophene-2-sulfonohydrazide, (15.052) 5-fluoro-2-[(4-fluorobenzyl)oxy]pyrimidin-4-amine, (15.053) 5-fluoro-2-[(4-methylbenzyl)oxy]pyrimidin-4-amine, (15.054) 9-fluoro-2,2-dimethyl-5-(quinolin-3-yl)-2,3-dihydro-1,4-benzoxazepine, (15.055) but-3-yn-1-yl {6-[({[(Z)-(1-methyl-1H-tetrazol-5-yl)(phenyl)methylene]amino}oxy)methyl]pyridin-2-yl}carbamate, (15.056) ethyl (2Z)-3-amino-2-cyano-3-phenylacrylate, (15.057) phenazine-1-carboxylic acid, (15.058) propyl 3,4,5-trihydroxybenzoate, (15.059) quinolin-8-ol, (15.060) quinolin-8-ol sulfate (2:1), (15.061) tert-butyl {6-[({[(1-methyl-1H-tetrazol-5-yl)(phenyl)methylene]amino}oxy)methyl]pyridin-2-yl}carbamate, (15.062) 5-fluoro-4-imino-3-methyl-1-[(4-methylphenyl) sulfonyl]-3,4-dihydropyrimidin-2(1H)-one, (15.063) aminopyrifen.

All named mixing partners of the classes (1) to (15) as described here above can be present in the form of the free compound and/or, if their functional groups enable this, an agriculturally acceptable salt thereof.

The compound of formula (I) and the composition may also be combined with one or more biological control agents.

Examples of biological control agents which may be combined with the compound of formula (I) and composition comprising thereof are:

(A) Antibacterial agents selected from the group of:

(A1) bacteria, such as (A1.1) *Bacillus subtilis*, in particular strain QST713/AQ713 (available as SERENADE OPTI or SERENADE ASO from Bayer CropScience LP, US, having NRRL Accession No. B21661 and described in U.S. Pat. No. 6,060,051); (A1.2) *Bacillus amyloliquefaciens*, in particular strain D747 (available as Double Nickel™ from Certis, US, having accession number FERM BP-8234 and disclosed in U.S. Pat. No. 7,094,592); (A1.3) *Bacillus pumilus*, in particular strain BU F-33 (having NRRL Accession No. 50185); (A1.4) *Bacillus subtilis* var. *amyloliquefaciens* strain FZB24 (available as Taegro® from Novozymes, US); (A1.5) a *Paenibacillus* sp. strain having Accession No. NRRL B-50972 or Accession No. NRRL B-67129 and described in International Patent Publication No. WO 2016/154297; and

(A2) fungi, such as (A2.1) *Aureobasidium pullulans*, in particular blastospores of strain DSM14940;

(A2.2) *Aureobasidium pullulans* blastospores of strain DSM 14941; (A2.3) *Aureobasidium pullulans*, in particular mixtures of blastospores of strains DSM14940 and DSM14941;

(B) Fungicides selected from the group of:

(B1) bacteria, for example (B1.1) *Bacillus subtilis*, in particular strain QST713/AQ713 (available as SERENADE OPTI or SERENADE ASO from Bayer CropScience LP, US, having NRRL Accession No. B21661 and described in U.S. Pat. No. 6,060,051); (B1.2) *Bacillus pumilus*, in particular strain QST2808 (available as SONATA® from Bayer CropScience LP, US, having Accession No. NRRL B-30087 and described in U.S. Pat. No. 6,245,551); (B11.3) *Bacillus pumilus*, in particular strain GB34 (available as Yield Shield® from Bayer AG, DE); (B11.4) *Bacillus pumilus*, in particular strain BU F-33 (having NRRL Accession No. 50185); (B1.5) *Bacillus amyloliquefaciens*, in particular strain D747 (available as Double Nickel™ from Certis, US, having accession number FERM BP-8234 and disclosed in U.S. Pat. No. 7,094,592); (B11.6) *Bacillus subtilis* Y1336 (available as BIOBAC® WP from Bion-Tech, Taiwan, registered as a biological fungicide in Taiwan under Registration Nos. 4764, 5454, 5096 and 5277); (B11.7) *Bacillus amyloliquefaciens* strain MBI 600 (available as SUBTILEX from BASF SE); (B11.8) *Bacillus subtilis* strain GB03 (available as Kodiak® from Bayer AG, DE); (B11.9) *Bacillus subtilis* var. *amyloliquefaciens* strain FZB24 (available from Novozymes Biologicals Inc., Salem, Virginia or Syngenta Crop Protection, LLC, Greensboro, N.C. as the fungicide TAEGRO® or TAEGRO® ECO (EPA Registration No. 70127-5); (B1.10) *Bacillus mycoides*, isolate J (available as BmJ TGAI or WG from Certis USA); (B11.11) *Bacillus licheniformis*, in particular strain SB3086 (available as EcoGuard™ Biofungicide and Green Releaf from Novozymes); (B1.12) a *Paenibacillus* sp. strain having Accession No. NRRL B-50972 or Accession No. NRRL B-67129 and described in International Patent Publication No. WO 2016/154297.

In some embodiments, the biological control agent is a *Bacillus subtilis* or *Bacillus amyloliquefaciens* strain that produces a fengycin or plipastatin-type compound, an iturin-type compound, and/or a surfactin-type compound. For background, see the following review article: Ongena, M., et al., "*Bacillus* Lipopeptides: Versatile Weapons for Plant Disease Biocontrol," Trends in Microbiology, Vol 16, No. 3, March 2008, pp. 115-125. *Bacillus* strains capable of producing lipopeptides include *Bacillus subtilis* QST713 (available as SERENADE OPTI or SERENADE ASO from Bayer CropScience LP, US, having NRRL Accession No. B21661 and described in U.S. Pat. No. 6,060,051), *Bacillus amyloliquefaciens* strain D747 (available as Double Nickel™ from Certis, US, having accession number FERM BP-8234 and disclosed in U.S. Pat. No. 7,094,592); *Bacillus subtilis* MB1600 (available as SUBTILEX® from Becker Underwood, US EPA Reg. No. 71840-8); *Bacillus subtilis* Y1336 (available as BIOBAC® WP from Bion-Tech, Taiwan, registered as a biological fungicide in Taiwan under Registration Nos. 4764, 5454, 5096 and 5277); *Bacillus amyloliquefaciens*, in particular strain FZB42 (available as RHIZOVITAL® from ABiTEP, DE); and *Bacillus subtilis* var. *amyloliquefaciens* FZB24 (available from Novozymes Biologicals Inc., Salem, Va. or Syngenta Crop Protection, LLC, Greensboro, N.C. as the fungicide TAEGRO® or TAEGRO® ECO (EPA Registration No. 70127-5); and

(B2) fungi, for example: (B2.1) *Coniothyrium minitans*, in particular strain CON/M/91-8 (Accession No. DSM-9660; e.g. Contans® from Bayer); (B2.2) *Metschnikowia fructicola*, in particular strain NRRL Y-30752 (e.g. Shemer®); (B2.3) *Microsphaeropsis ochracea* (e.g. Microx® from Prophyta); (B2.5) *Trichoderma* spp., including *Trichoderma atroviride*, strain SC1 described in International Application No. PCT/IT2008/000196); (B2.6) *Trichoderma harzianum* rifai strain KRL-AG2 (also known as strain T-22, /ATCC 208479, e.g. PLANTSHIELD T-22G, Rootshield®, and TurfShield from BioWorks, US); (B2.14) *Gliocladium roseum*, strain 321U from W.F. Stoneman Company LLC; (B2.35) *Talaromyces flavus*, strain V117b; (B2.36) *Trichoderma asperellum*, strain ICC 012 from Isagro; (B2.37) *Trichoderma asperellum*, strain SKT-1 (e.g.

ECO-HOPE® from Kumiai Chemical Industry); (B2.38) *Trichoderma atroviride*, strain CNCM 1-1237 (e.g. Esquive® WP from Agrauxine, FR); (B2.39) *Trichoderma atroviride*, strain no. V08/002387; (B2.40) *Trichoderma atroviride*, strain NMI no. V08/002388; (B2.41) *Trichoderma atroviride*, strain NMI no. V08/002389; (B2.42) *Trichoderma atroviride*, strain NMI no. V08/002390; (B2.43) *Trichoderma atroviride*, strain LC52 (e.g. Tenet by Agrimm Technologies Limited); (B2.44) *Trichoderma atroviride*, strain ATCC 20476 (IMI 206040); (B2.45) *Trichoderma atroviride*, strain T11 (IM1352941/CECT20498); (B2.46) *Trichoderma harmatum*; (B2.47) *Trichoderma harzianum*; (B2.48) *Trichoderma harzianum* rifai T39 (e.g. Trichodex® from Makhteshim, US); (B2.49) *Trichoderma harzianum*, in particular, strain KD (e.g. Trichoplus from Biological Control Products, SA (acquired by Becker Underwood)); (B2.50) *Trichoderma harzianum*, strain ITEM 908 (e.g. Trianum-P from Koppert); (B2.51) *Trichoderma harzianum*, strain TH35 (e.g. Root-Pro by Mycontrol); (B2.52) *Trichoderma virens* (also known as *Gliocladium virens*), in particular strain GL-21 (e.g. SoilGard 12G by Certis, US); (B2.53) *Trichoderma viride*, strain TV1 (e.g. Trianum-P by Koppert); (B2.54) *Ampelomyces quisqualis*, in particular strain AQ 10 (e.g. AQ 10® by IntrachemBio Italia); (B2.56) *Aureobasidium pullulans*, in particular blastospores of strain DSM14940; (B2.57) *Aureobasidium pullulans*, in particular blastospores of strain DSM 14941; (B2.58) *Aureobasidium pullulans*, in particular mixtures of blastospores of strains DSM14940 and DSM 14941 (e.g. Botector® by bio-ferm, CH); (B2.64) *Cladosporium cladosporioides*, strain H39 (by Stichting Dienst Landbouwkundig Onderzoek); (B2.69) *Gliocladium catenulatum* (Synonym: Clonostachys *rosea* f. *catenulate*) strain J1446 (e.g. Prestop® by AgBio Inc. and also e.g. Primastop® by Kemira Agro Oy); (B2.70) *Lecanicillium lecanii* (formerly known as *Verticillium lecanii*) conidia of strain KV01 (e.g. Vertalec® by Koppert/Arysta); (B2.71) *Penicillium vermiculatum*; (B2.72) *Pichia anomala*, strain WRL-076 (NRRL Y-30842); (B2.75) *Trichoderma atroviride*, strain SKT-1 (FERM P-16510); (B2.76) *Trichoderma atroviride*, strain SKT-2 (FERM P-16511); (B2.77) *Trichoderma atroviride*, strain SKT-3 (FERM P-17021); (B2.78) *Trichoderma gamsii* (formerly *T. viride*), strain ICC080 (IMI CC 392151 CABI, e.g. BioDerma by AGROBIOSOL DE MEXICO, S.A. DE C.V.); (B2.79) *Trichoderma harzianum*, strain DB 103 (e.g., T-Gro 7456 by Dagutat Biolab); (B2.80) *Trichoderma polysporum*, strain IMI 206039 (e.g. Binab TF WP by BINAB Bio-Innovation AB, Sweden); (B2.81) *Trichoderma stromaticum* (e.g. Tricovab by Ceplac, Brazil); (B2.83) *Ulocladium oudemansii*, in particular strain HRU3 (e.g. Botry-Zen® by Botry-Zen Ltd, NZ); (B2.84) *Verticillium albo-atrum* (formerly *V. dahliae*), strain WCS850 (CBS 276.92; e.g. Dutch Trig by Tree Care Innovations); (B2.86) *Verticillium chlamydosporium*; (B2.87) mixtures of *Trichoderma asperellum* strain ICC 012 and *Trichoderma gamsii* strain ICC 080 (product known as e.g. BIO-TAM™ from Bayer CropScience LP, US).

Further examples of biological control agents which may be combined with the compound of formula (I) and composition comprising thereof are:

bacteria selected from the group consisting of *Bacillus cereus*, in particular *B. cereus* strain CNCM I-1562 and *Bacillus firmus*, strain 1-1582 (Accession number CNCM I-1582), *Bacillus subtilis* strain OST 30002 (Accession No. NRRL B-50421), *Bacillus thuringiensis*, in particular *B. thuringiensis* subspecies *israelensis* (serotype H-14), strain AM65-52 (Accession No. ATCC 1276), *B. thuringiensis* subsp. *aizawai*, in particular strain ABTS-1857 (SD-1372), *B. thuringiensis* subsp. *kurstaki* strain HD-1, *B. thuringiensis* subsp. *tenebrionis* strain NB 176 (SD-5428), *Pasteuria penetrans, Pasteuria* spp. (*Rotylenchulus reniformis* nematode)-PR3 (Accession Number ATCC SD-5834), *Streptomyces microflavus* strain AQ6121 (=QRD 31.013, NRRL B-50550), and *Streptomyces galbus* strain AQ 6047 (Accession Number NRRL 30232);

fungi and yeasts selected from the group consisting of *Beauveria bassiana*, in particular strain ATCC 74040, *Lecanicillium* spp., in particular strain HRO LEC 12, Metarhizium anisopliae, in particular strain F52 (DSM3884 or ATCC 90448), *Paecilomyces fumosoroseus* (now: *Isaria fumosorosea*), in particular strain IFPC 200613, or strain Apopka 97 (Accession No. ATCC 20874), and *Paecilomyces lilacinus*, in particular *P. lilacinus* strain 251 (AGAL 89/030550);

viruses selected from the group consisting of *Adoxophyes orana* (summer fruit tortrix) granulosis virus (GV), *Cydia pomonella* (codling moth) granulosis virus (GV), *Helicoverpa armigera* (cotton bollworm) nuclear polyhedrosis virus (NPV), *Spodoptera exigua* (beet armyworm) mNPV, *Spodoptera frugiperda* (fall armyworm) mNPV, and *Spodoptera littoralis* (African cotton leafworm) NPV.

bacteria and fungi which can be added as 'inoculant' to plants or plant parts or plant organs and which, by virtue of their particular properties, promote plant growth and plant health. Examples are: *Agrobacterium* spp., *Azorhizobium caulinodans*, Azospirillum spp., *Azotobacter* spp., *Bradyrhizobium* spp., *Burkholderia* spp., in particular *Burkholderia cepacia* (formerly known as *Pseudomonas cepacia*), *Gigaspora* spp., or *Gigaspora monosporum, Glomus* spp., *Laccaria* spp., *Lactobacillus buchneri, Paraglomus* spp., *Pisolithus tinctorus, Pseudomonas* spp., *Rhizobium* spp., in particular *Rhizobium trifolii, Rhizopogon* spp., *Scleroderma* spp., *Suillus* spp., and *Streptomyces* spp. plant extracts and products formed by microorganisms including proteins and secondary metabolites which can be used as biological control agents, such as *Allium sativum, Artemisia absinthium*, azadirachtin, Biokeeper WP, *Cassia nigricans, Celastrus angulatus, Chenopodium anthelminticum*, chitin, Armour-Zen, *Dryopteris filix-mas, Equisetum arvense*, Fortune Aza, Fungastop, Heads Up (*Chenopodium quinoa* saponin extract), *Pyrethrum/Pyrethrins, Quassia amara, Quercus, Quillaja*, Regalia, "Requiem™ Insecticide", rotenone, ryania/ryanodine, *Symphytum officinale, Tanacetum vulgare*, thymol, Triact 70, TriCon, *Tropaeulum majus, Urtica dioica*, Veratrin, Viscum album, Brassicaceae extract, in particular oilseed rape powder or mustard powder.

Examples of insecticides, acaricides and nematicides, respectively, which could be mixed with the compound of formula (I) and composition comprising thereof are:

(1) Acetylcholinesterase (AChE) inhibitors, such as, for example, carbamates, for example alanycarb, aldicarb, bendiocarb, benfuracarb, butocarboxim, butoxycarboxim, carbaryl, carbofuran, carbosulfan, ethiofencarb, fenobucarb, formetanate, furathiocarb, isoprocarb, methiocarb, methomyl, metolcarb, oxamyl, pirimicarb, propoxur, thiodicarb, thiofanox, triazamate, trimethacarb, XMC and xylylcarb; or organophosphates, for example acephate, azamethiphos, azinphos-ethyl, azinphos-methyl, cadusafos, chlorethoxyfos, chlorfenvinphos, chlormephos, chlorpyrifos-methyl, coumaphos, cyanophos, demeton-S-methyl, diazinon, dichlorvos/DDVP, dicrotophos, dimethoate, dimethylvinphos, disulfoton, EPN, ethion, ethoprophos, famphur, fenamiphos, fenitrothion, fenthion, fosthiazate, heptenophos,

imicyafos, isofenphos, isopropyl O-(methoxyaminothiophosphoryl) salicylate, isoxathion, malathion, mecarbam, methamidophos, methidathion, mevinphos, monocrotophos, naled, omethoate, oxydemeton-methyl, parathion-methyl, phenthoate, phorate, phosalone, phosmet, phosphamidon, phoxim, pirimiphos-methyl, profenofos, propetamphos, prothiofos, pyraclofos, pyridaphenthion, quinalphos, sulfotep, tebupirimfos, temephos, terbufos, tetrachlorvinphos, thiometon, triazophos, triclorfon and vamidothion.

(2) GABA-gated chloride channel blockers, such as, for example, cyclodiene-organochlorines, for example chlordane and endosulfan or phenylpyrazoles (fiproles), for example ethiprole and fipronil.

(3) Sodium channel modulators, such as, for example, pyrethroids, e.g. acrinathrin, allethrin, d-cis-trans allethrin, d-trans allethrin, bifenthrin, bioallethrin, bioallethrin s-cyclopentenyl isomer, bioresmethrin, cycloprothrin, cyfluthrin, beta-cyfluthrin, cyhalothrin, lambda-cyhalothrin, gamma-cyhalothrin, cypermethrin, alpha-cypermethrin, beta-cypermethrin, theta-cypermethrin, zeta-cypermethrin, cyphenothrin [(1R)-trans-isomer], deltamethrin, empenthrin [(EZ)-(1R)-isomer], esfenvalerate, etofenprox, fenpropathrin, fenvalerate, flucythrinate, flumethrin, tau-fluvalinate, halfenprox, imiprothrin, kadethrin, momfluorothrin, permethrin, phenothrin [(1R)-trans-isomer], prallethrin, pyrethrins (pyrethrum), resmethrin, silafluofen, tefluthrin, tetramethrin, tetramethrin [(1R)-isomer)], tralomethrin and transfluthrin or DDT or methoxychlor.

(4) Nicotinic acetylcholine receptor (nAChR) competitive modulators, such as, for example, neonicotinoids, e.g. acetamiprid, clothianidin, dinotefuran, imidacloprid, nitenpyram, thiacloprid and thiamethoxam or nicotine or sulfoxaflor or flupyradifurone.

(5) Nicotinic acetylcholine receptor (nAChR) allosteric modulators, such as, for example, spinosyns, e.g. spinetoram and spinosad.

(6) Glutamate-gated chloride channel (GluCl) allosteric modulators, such as, for example, avermectins/milbemycins, for example abamectin, emamectin benzoate, lepimectin and milbemectin.

(7) Juvenile hormone mimics, such as, for example, juvenile hormone analogues, e.g. hydroprene, kinoprene and methoprene or fenoxycarb or pyriproxyfen.

(8) Miscellaneous non-specific (multi-site) inhibitors, such as, for example, alkyl halides, e.g. methyl bromide and other alkyl halides; or chloropicrine or sulphuryl fluoride or borax or tartar emetic or methyl isocyanate generators, e.g. diazomet and metam.

(9) Modulators of Chordotonal Organs, such as, for example pymetrozine or flonicamid.

(10) Mite growth inhibitors, such as, for example clofentezine, hexythiazox and diflovidazin or etoxazole.

(11) Microbial disruptors of the insect gut membrane, such as, for example *Bacillus thuringiensis* subspecies *israelensis, Bacillus sphaericus, Bacillus thuringiensis* subspecies *aizawai, Bacillus thuringiensis* subspecies *kurstaki, Bacillus thuringiensis* subspecies *tenebrionis*, and B.t. plant proteins: Cry1Ab, Cry1Ac, Cry1Fa, Cry1A.105, Cry2Ab, Vip3A, mCry3A, Cry3Ab, Cry3Bb, Cry34Ab1/35Ab1.

(12) Inhibitors of mitochondrial ATP synthase, such as, ATP disruptors such as, for example, diafenthiuron or organotin compounds, for example azocyclotin, cyhexatin and fenbutatin oxide or propargite or tetradifon.

(13) Uncouplers of oxidative phosphorylation via disruption of the proton gradient, such as, for example, chlorfenapyr, DNOC and sulfluramid.

(14) Nicotinic acetylcholine receptor channel blockers, such as, for example, bensultap, cartap hydrochloride, thiocylam, and thiosultap-sodium.

(15) Inhibitors of chitin biosynthesis, type 0, such as, for example, bistrifluron, chlorfluazuron, diflubenzuron, flucycloxuron, flufenoxuron, hexaflumuron, lufenuron, novaluron, noviflumuron, teflubenzuron and triflumuron.

(16) Inhibitors of chitin biosynthesis, type 1, for example buprofezin.

(17) Moulting disruptor (in particular for Diptera, i.e. dipterans), such as, for example, cyromazine.

(18) Ecdysone receptor agonists, such as, for example, chromafenozide, halofenozide, methoxyfenozide and tebufenozide.

(19) Octopamine receptor agonists, such as, for example, amitraz.

(20) Mitochondrial complex III electron transport inhibitors, such as, for example, hydramethylnone or acequinocyl or fluacrypyrim.

(21) Mitochondrial complex I electron transport inhibitors, such as, for example from the group of the METI acaricides, e.g. fenazaquin, fenpyroximate, pyrimidifen, pyridaben, tebufenpyrad and tolfenpyrad or rotenone (Derris).

(22) Voltage-dependent sodium channel blockers, such as, for example indoxacarb or metaflumizone.

(23) Inhibitors of acetyl CoA carboxylase, such as, for example, tetronic and tetramic acid derivatives, e.g. spirodiclofen, spiromesifen and spirotetramat.

(24) Mitochondrial complex IV electron transport inhibitors, such as, for example, phosphines, e.g. aluminium phosphide, calcium phosphide, phosphine and zinc phosphide or cyanides, e.g. calcium cyanide, potassium cyanide and sodium cyanide.

(25) Mitochondrial complex II electron transport inhibitors, such as, for example, beta-ketonitrile derivatives, e.g. cyenopyrafen and cyflumetofen and carboxanilides, such as, for example, pyflubumide.

(28) Ryanodine receptor modulators, such as, for example, diamides, e.g. chlorantraniliprole, cyantraniliprole and flubendiamide,

further active compounds such as, for example, Afidopyropen, Afoxolaner, Azadirachtin, Benclothiaz, Benzoximate, Bifenazate, Broflanilide, Bromopropylate, Chinomethionat, Chloroprallethrin, Cryolite, Cyclaniliprole, Cycloxaprid, Cyhalodiamide, Dicloromezotiaz, Dicofol, epsilon-Metofluthrin, epsilon-Momfluthrin, Flometoquin, Fluazaindolizine, Fluensulfone, Flufenerim, Flufenoxystrobin, Flufiprole, Fluhexafon, Fluopyram, Fluralaner, Fluxametamide, Fufenozide, Guadipyr, Heptafluthrin, Imidaclothiz, Iprodione, kappa-Bifenthrin, kappa-Tefluthrin, Lotilaner, Meperfluthrin, Paichongding, Pyridalyl, Pyrifluquinazon, Pyriminostrobin, Spirobudiclofen, Tetramethylfluthrin, Tetraniliprole, Tetrachlorantraniliprole, Tigolaner, Tioxazafen, Thiofluoximate, Triflumezopyrim and iodomethane; furthermore preparations based on *Bacillus firmus* (1-1582, BioNeem, Votivo), and also the following compounds: 1-{2-fluoro-4-methyl-5-[(2,2,2-trifluoroethyl)sulphinyl]phenyl}-3-(trifluoromethyl)-1H-1,2,4-triazole-5-amine (known from WO2006/043635) (CAS 885026-50-6), {1'-[(2E)-3-(4-chlo-

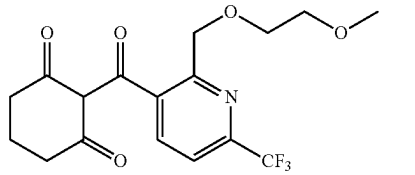
rophenyl)prop-2-en-1-yl]-5-fluorospiro[indol-3,4'-piperidin]-1(2H)-yl}(2-chloropyridin-4-yl)methanone (known from WO2003/106457) (CAS 637360-23-7), 2-chloro-N-[2-{1-[(2E)-3-(4-chlorophenyl)prop-2-en-1-yl]piperidin-4-yl}-4-(trifluoromethyl)phenyl]isonicotinamide (known from WO2006/003494) (CAS 872999-66-1), 3-(4-chloro-2,6-dimethylphenyl)-4-hydroxy-8-methoxy-1,8-diazaspiro[4.5]dec-3-en-2-one (known from WO 2010052161) (CAS 1225292-17-0), 3-(4-chloro-2,6-dimethylphenyl)-8-methoxy-2-oxo-1,8-diazaspiro[4.5]dec-3-en-4-yl ethyl carbonate (known from EP2647626) (CAS 1440516-42-6), 4-(but-2-yn-1-yloxy)-6-(3,5-dimethylpiperidin-1-yl)-5-fluoropyrimidine (known from WO2004/099160) (CAS 792914-58-0), PF1364 (known from JP2010/018586) (CAS 1204776-60-2), N-[(2E)-1-[(6-chloropyridin-3-yl)methyl]pyridin-2(1H)-ylidene]-2,2,2-trifluoroacetamide (known from WO2012/029672) (CAS 1363400-41-2), (3E)-3-[1-[(6-chloro-3-pyridyl)methyl]-2-pyridylidene]-1,1,1-trifluoropropan-2-one (known from WO2013/144213) (CAS 1461743-15-6), N-[3-(benzylcarbamoyl)-4-chlorophenyl]-1-methyl-3-(pentafluoroethyl)-4-(trifluoromethyl)-1H-pyrazole-5-carboxamide (known from WO2010/051926) (CAS 1226889-14-0), 5-bromo-4-chloro-N-[4-chloro-2-methyl-6-(methylcarbamoyl)phenyl]-2-(3-chloro-2-pyridyl)pyrazole-3-carboxamide (known from CN103232431) (CAS 1449220-44-3), 4-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-3-isoxazolyl]-2-methyl-N-(cis-1-oxido-3-thietanyl)-benzamide, 4-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-3-isoxazolyl]-2-methyl-N-(trans-1-oxido-3-thietanyl)-benzamide and 4-[(5S)-5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-3-isoxazolyl]-2-methyl-N-(cis-1-oxido-3-thietanyl)benzamide (known from WO 2013/050317 A1) (CAS 1332628-83-7), N-[3-chloro-1-(3-pyridinyl)-1H-pyrazol-4-yl]-N-ethyl-3-[(3, 3,3-trifluoropropyl)sulfinyl]-propanamide, (+)-N-[3-chloro-1-(3-pyridinyl)-1H-pyrazol-4-yl]-N-ethyl-3-[(3, 3,3-trifluoropropyl)sulfinyl]-propanamide and (−)-N-[3-chloro-1-(3-pyridinyl)-1H-pyrazol-4-yl]-N-ethyl-3-[(3,3,3-trifluoropropyl)sulfinyl]-propanamide (known from WO 2013/162715 A2, WO 2013/162716 A2, US 2014/0213448 A1) (CAS 1477923-37-7), 5-[[(2E)-3-chloro-2-propen-1-yl]amino]-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(trifluoromethyl)sulfinyl]-1H-pyrazole-3-carbonitrile (known from CN 101337937 A) (CAS 1105672-77-2), 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)thioxomethyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide, (Liudaibenjiaxuanan, known from CN 103109816 A) (CAS 1232543-85-9); N-[4-chloro-2-[[(1,1-dimethylethyl)amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(fluoromethoxy)-1H-Pyrazole-5-carboxamide (known from WO 2012/034403 A1) (CAS 1268277-22-0), N-[2-(5-amino-1,3,4-thiadiazol-2-yl)-4-chloro-6-methylphenyl]-3-bromo-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (known from WO 2011/085575 A1) (CAS 1233882-22-8), 4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propen-1-yl)oxy]phenoxy]propoxy]-2-methoxy-6-(trifluoromethyl)-pyrimidine (known from CN 101337940 A) (CAS 1108184-52-6); (2E)- and 2(Z)-2-[2-(4-cyanophenyl)-1-[3-(trifluoromethyl)phenyl]ethylidene]-N-[4-(difluoromethoxy)phenyl]-hydrazinecarboxamide (known from CN 101715774 A) (CAS 1232543-85-9); 3-(2,2-dichloroethenyl)-2,2-dimethyl-4-(1H-benzimidazol-2-yl)phenyl-cyclopropanecarboxylic acid ester (known from CN 103524422 A) (CAS 1542271-46-4); (4aS)-7-chloro-2,5-dihydro-2-[[(methoxycarbonyl)[4-[(trifluoromethyl)thio]phenyl]amino]carbonyl]-indeno[1,2-e][1,3,4]oxadiazine-4a(3H)-carboxylic acid methyl ester (known from CN 102391261 A) (CAS 1370358-69-2); 6-deoxy-3-O-ethyl-2,4-di-O-methyl-, 1-[N-[4-[1-[4-(1,1,2,2,2-pentafluoroethoxy)phenyl]-1H-1,2,4-triazol-3-yl]phenyl]carbamate]-α-L-mannopyranose (known from US 2014/0275503 A1) (CAS 1181213-14-8); 8-(2-cyclopropylmethoxy-4-trifluoromethyl-phenoxy)-3-(6-trifluoromethyl-pyridazin-3-yl)-3-aza-bicyclo[3.2.1]octane (CAS 1253850-56-4), (8-anti)-8-(2-cyclopropylmethoxy-4-trifluoromethyl-phenoxy)-3-(6-trifluoromethyl-pyridazin-3-yl)-3-aza-bicyclo[3.2.1]octane (CAS 933798-27-7), (8-syn)-8-(2-cyclopropylmethoxy-4-trifluoromethyl-phenoxy)-3-(6-trifluoromethyl-pyridazin-3-yl)-3-aza-bicyclo[3.2.1]octane (known from WO 2007040280 A1, WO 2007040282 A1) (CAS 934001-66-8), N-[3-chloro-1-(3-pyridinyl)-1H-pyrazol-4-yl]-N-ethyl-3-[(3,3,3-trifluoropropyl)thio]-propanamide (known from WO 2015/058021 A1, WO 2015/058028 A1) (CAS 1477919-27-9) and N-[4-(aminothioxomethyl)-2-methyl-6-[(methylamino)carbonyl]phenyl]-3-bromo-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (known from CN 103265527 A) (CAS 1452877-50-7), 5-(1,3-dioxan-2-yl)-4-[[4-(trifluoromethyl)phenyl]methoxy]-pyrimidine (known from WO 2013/115391 A1) (CAS 1449021-97-9), 3-(4-chloro-2,6-dimethylphenyl)-4-hydroxy-8-methoxy-1-methyl-1,8-diazaspiro[4.5]dec-3-en-2-one (known from WO 2010/066780 A1, WO 2011/151146 A1) (CAS 1229023-34-0), 3-(4-chloro-2,6-dimethylphenyl)-8-methoxy-1-methyl-1,8-diazaspiro[4.5]decane-2,4-dione (known from WO 2014/187846 A1) (CAS 1638765-58-8), 3-(4-chloro-2,6-dimethylphenyl)-8-methoxy-1-methyl-2-oxo-1, 8-diazaspiro[4.5]dec-3-en-4-yl-carbonic acid ethyl ester (known from WO 2010/066780 A1, WO 2011151146 A1) (CAS 1229023-00-0), N-[1-[(6-chloro-3-pyridinyl)methyl]-2(1H)-pyridinylidene]-2,2,2-trifluoro-acetamide (known from DE 3639877 A1, WO 2012029672 A1) (CAS 1363400-41-2), [N(E)]-N-[1-[(6-chloro-3-pyridinyl)methyl]-2(1H)-pyridinylidene]-2,2,2-trifluoro-acetamide, (known from WO 2016005276 A1) (CAS 1689566-03-7), [N(Z)]—N-[1-[(6-chloro-3-pyridinyl)methyl]-2(1H)-pyridinylidene]-2,2,2-trifluoro-acetamide, (CAS 1702305-40-5), 3-endo-3-[2-propoxy-4-(trifluoromethyl)phenoxy]-9-[[5-(trifluoromethyl)-2-pyridinyl]oxy]-9-azabicyclo[3.3.1]nonane (known from WO 2011/105506 A1, WO 2016/133011 A1) (CAS 1332838-17-1).

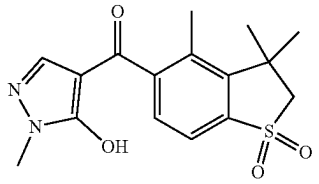
Examples of safeners which could be mixed with the compound of formula (I) and composition comprising thereof are, for example, benoxacor, cloquintocet (-mexyl), cyometrinil, cyprosulfamide, dichlormid, fenchlorazole (-ethyl), fenclorim, flurazole, fluxofenim, furilazole, isoxadifen (-ethyl), mefenpyr (-diethyl), naphthalic anhydride, oxabetrinil, 2-methoxy-N-({4-[(methylcarbamoyl)amino]phenyl}-sulphonyl)benzamide (CAS 129531-12-0), 4-(dichloroacetyl)-1-oxa-4-azaspiro[4.5]decane (CAS 71526-07-3), 2,2,5-trimethyl-3-(dichloroacetyl)-1,3-oxazolidine (CAS 52836-31-4).

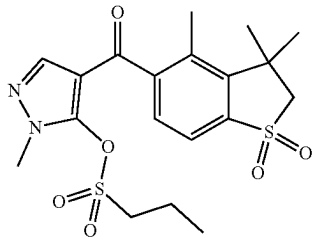
Examples of herbicides which could be mixed with the compound of formula (I) and composition comprising thereof are:

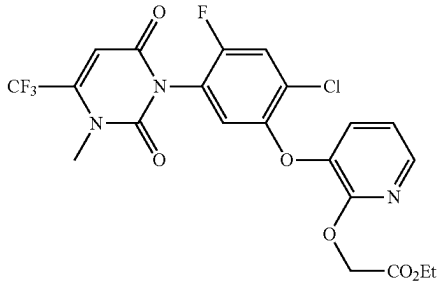
Acetochlor, acifluorfen, acifluorfen-sodium, aclonifen, alachlor, allidochlor, alloxydim, alloxydim-sodium, ametryn, amicarbazone, amidochlor, amidosulfuron, 4-amino-3-chloro-6-(4-chloro-2-fluoro-3-methylphenyl)-5-fluoropyridine-2-carboxylic acid, aminocyclopyrachlor, aminocyclopyrachlor-potassium, aminocyclopyrachlor-methyl, aminopyralid, amitrole, ammoniumsulfamate, anilofos, asulam, atrazine, azafenidin, azimsulfuron, beflubutamid, benazolin, benazolin-ethyl, benfluralin, benfuresate, bensulfuron, bensulfuron-methyl, bensulide, ben-

tazone, benzobicyclon, benzofenap, bicyclopyron, bifenox, bilanafos, bilanafos-sodium, bispyribac, bispyribac-sodium, bromacil, bromobutide, bromofenoxim, bromoxynil, bromoxynil-butyrate, -potassium, -heptanoate, and -octanoate, busoxinone, butachlor, butafenacil, butamifos, butenachlor, butralin, butroxydim, butylate, cafenstrole, carbetamide, carfentrazone, carfentrazone-ethyl, chloramben, chlorbromuron, chlorfenac, chlorfenac-sodium, chlorfenprop, chlorflurenol, chlorflurenol-methyl, chloridazon, chlorimuron, chlorimuron-ethyl, chlorophthalim, chlorotoluron, chlorthal-dimethyl, chlorsulfuron, cinidon, cinidon-ethyl, cinmethylin, cinosulfuron, clacyfos, clethodim, clodinafop, clodinafop-propargyl, clomazone, clomeprop, clopyralid, cloransulam, cloransulam-methyl, cumyluron, cyanamide, cyanazine, cycloate, cyclopyrimorate, cyclosulfamuron, cycloxydim, cyhalofop, cyhalofop-butyl, cyprazine, 2,4-D, 2,4-D-butotyl, -butyl, -dimethylammonium, -diolamin, -ethyl, -2-ethylhexyl, -isobutyl, -isooctyl, -isopropylammonium, -potassium, -triisopropanolammonium, and -trolamine, 2,4-DB, 2,4-DB-butyl, -dimethylammonium, -isooctyl, -potassium, and -sodium, daimuron (dymron), dalapon, dazomet, n-decanol, desmedipham, detosyl-pyrazolate (DTP), dicamba, dichlobenil, 2-(2,4-dichlorobenzyl)-4,4-dimethyl-1,2-oxazolidin-3-one, 2-(2,5-dichlorobenzyl)-4,4-dimethyl-1,2-oxazolidin-3-one, dichlorprop, dichlorprop-P, diclofop, diclofop-methyl, diclofop-P-methyl, diclosulam, difenzoquat, diflufenican, diflufenzopyr, diflufenzopyr-sodium, dimefuron, dimepiperate, dimethachlor, dimethametryn, dimethenamid, dimethenamid-P, dimetrasulfuron, dinitramine, dinoterb, diphenamid, diquat, diquat-dibromid, dithiopyr, diuron, DNOC, endothal, EPTC, esprocarb, ethalfluralin, ethametsulfuron, etha-metsulfuron-methyl, ethiozin, ethofumesate, ethoxyfen, ethoxyfen-ethyl, ethoxysulfuron, etobenzanid, F-9600, F-5231, i.e. N-{2-chloro-4-fluoro-5-[4-(3-fluoropropyl)-5-oxo-4,5-dihydro-1H-tetrazol-1-yl]phenyl}ethanesulfonamide, F-7967, i. e. 3-[7-chloro-5-fluoro-2-(trifluoromethyl)-1H-benzimidazol-4-yl]-1-methyl-6-(trifluoromethyl)pyrimidine-2,4(1H,3H)-dione, fenoxaprop, fenoxaprop-P, fenoxaprop-ethyl, fenoxaprop-P-ethyl, fenoxasulfone, fenquinotrione, fentrazamide, flamprop, flamprop-M-isopropyl, flamprop-M-methyl, flazasulfuron, florasulam, fluazifop, fluazifop-P, fluazifop-butyl, fluazifop-P-butyl, flucarbazone, flucarbazone-sodium, flucetosulfuron, fluchloralin, flufenacet, flufenpyr, flufenpyr-ethyl, flumetsulam, flumiclorac, flumiclorac-pentyl, flumioxazin, fluometuron, flurenol, flurenol-butyl, -dimethylammonium and -methyl, fluoroglycofen, fluoroglycofen-ethyl, flupropanate, flupyrsulfuron, flupyrsulfuron-methyl-sodium, fluridone, flurochloridone, fluroxypyr, fluroxypyr-meptyl, flurtamone, fluthiacet, fluthiacet-methyl, fomesafen, fomesafen-sodium, foramsulfuron, fosamine, glufosinate, glufosinate-ammonium, glufosinate-P-sodium, glufosinate-P-ammonium, glufosinate-P-sodium, glyphosate, glyphosate-ammonium, -isopropylammonium, -diammonium, -dimethylammonium, -potassium, -sodium, and -trimesium, H-9201, i.e. 0-(2,4-dimethyl-6-nitrophenyl) O-ethyl isopropylphosphoramidothioate, halauxifen, halauxifen-methyl, halosafen, halosulfuron, halosulfuron-methyl, haloxyfop, haloxyfop-P, haloxyfop-ethoxyethyl, haloxyfop-P-ethoxyethyl, haloxyfop-methyl, haloxyfop-P-methyl, hexazinone, HW-02, i.e. 1-(dimethoxyphosphoryl) ethyl-(2,4-dichlorophenoxy)acetate, imazamethabenz, imazamethabenz-methyl, imazamox, imazamox-ammonium, imazapic, imazapic-ammonium, imazapyr, imazapyr-isopropylammonium, imazaquin, imazaquin-ammonium, imazethapyr, imazethapyr-immonium, imazosulfuron, indanofan, indaziflam, iodosulfuron, iodosulfuron-methyl-sodium, ioxynil, ioxynil-octanoate, -potassium and -sodium, ipfencarbazone, isoproturon, isouron, isoxaben, isoxaflutole, karbutilate, KUH-043, i.e. 3-({[5-(difluoromethyl)-1-methyl-3-(trifluoromethyl)-1H-pyrazol-4-yl]methyl}sulfonyl)-5,5-dimethyl-4,5-dihydro-1,2-oxazole, ketospiradox, lactofen, lenacil, linuron, MCPA, MCPA-butotyl, -dimethylammonium, -2-ethylhexyl, -isopropylammonium, -potassium, and -sodium, MCPB, MCPB-methyl, -ethyl, and -sodium, mecoprop, mecoprop-sodium, and -butotyl, mecoprop-P, mecoprop-P-butotyl, -dimethylammonium, -2-ethylhexyl, and -potassium, mefenacet, mefluidide, mesosulfuron, mesosulfuron-methyl, mesotrione, methabenzthiazuron, metam, metamifop, metamitron, metazachlor, metazosulfuron, methabenzthiazuron, methiopyrsulfuron, methiozolin, methyl isothiocyanate, metobromuron, metolachlor, S-metolachlor, metosulam, metoxuron, metribuzin, metsulfuron, metsulfuron-methyl, molinat, monolinuron, monosulfuron, monosulfuron-ester, MT-5950, i.e. N-(3-chloro-4-isopropylphenyl)-2-methylpentan amide, NGGC-011, napropamide, NC-310, i.e. [5-(benzyloxy)-1-methyl-1H-pyrazol-4-yl](2,4-dichlorophenyl)methanone, neburon, nicosulfuron, nonanoic acid (pelargonic acid), norflurazon, oleic acid (fatty acids), orbencarb, orthosulfamuron, oryzalin, oxadiargyl, oxadiazon, oxasulfuron, oxaziclomefon, oxyfluorfen, paraquat, paraquat dichloride, pebulate, pendimethalin, penoxsulam, pentachlorphenol, pentoxazone, pethoxamid, petroleum oils, phenmedipham, picloram, picolinafen, pinoxaden, piperophos, pretilachlor, primisulfuron, primisulfuron-methyl, prodiamine, profoxydim, prometon, prometryn, propachlor, propanil, propaquizafop, propazine, propham, propisochlor, propoxycarbazone, propoxycarbazone-sodium, propyrisulfuron, propyzamide, prosulfocarb, pro-sulfuron, pyraclonil, pyraflufen, pyraflufen-ethyl, pyrasulfotole, pyrazolynate (pyrazolate), pyrazosulfuron, pyrazosulfuron-ethyl, pyrazoxyfen, pyribambenz, pyribambenz-isopropyl, pyribambenz-propyl, pyribenzoxim, pyributicarb, pyridafol, pyridate, pyriftalid, pyriminobac, pyriminobac-methyl, pyrimisulfan, pyrithiobac, pyrithiobac-sodium, pyroxasulfone, pyroxsulam, quinclorac, quinmerac, quinoclamine, quizalofop, quizalofop-ethyl, quizalofop-P, quizalofop-P-ethyl, quizalofop-P-tefuryl, rimsulfuron, saflufenacil, sethoxydim, siduron, simazine, simetryn, SL-261, sulcotrion, sulfentrazone, sulfometuron, sulfometuron-methyl, sulfosulfuron, SYN-523, SYP-249, i.e. 1-ethoxy-3-methyl-1-oxobut-3-en-2-yl 5-[2-chloro-4-(trifluoromethyl)phenoxy]-2-nitrobenzoate, SYP-300, i.e. 1-[7-fluoro-3-oxo-4-(prop-2-yn-1-yl)-3,4-dihydro-2H-1,4-benzoxazin-6-yl]-3-propyl-2-thioxoimidazolidine-4,5-dione, 2,3,6-TBA, TCA (trichloroacetic acid), TCA-sodium, tebuthiuron, tefuryltrione, tembotrione, tepraloxydim, terbacil, terbucarb, terbumeton, terbuthylazin, terbutryn, thenylchlor, thiazopyr, thiencarbazone, thiencarbazone-methyl, thifensulfuron, thifensulfuron-methyl, thiobencarb, tiafenacil, tolpyralate, topramezone, tralkoxydim, triafamone, tri-allate, triasulfuron, triaziflam, tribenuron, tribenuron-methyl, triclopyr, trietazine, trifloxysulfuron, trifloxysulfuron-sodium, trifludimoxazin, trifluralin, triflusulfuron, triflusulfuron-methyl, tritosulfuron, urea sulfate, vernolate, XDE-848, ZJ-0862, i.e. 3,4-dichloro-N-{2-[(4,6-dimethoxypyrimidin-2-yl)oxy]benzyl}aniline, and the following compounds:









Examples for plant growth regulators are:

Acibenzolar, acibenzolar-S-methyl, 5-aminolevulinic acid, ancymidol, 6-benzylaminopurine, Brassinolid, catechine, chlormequat chloride, cloprop, cyclanilide, 3-(cycloprop-1-enyl) propionic acid, daminozide, dazomet, n-decanol, dikegulac, dikegulac-sodium, endothal, endothal-dipotassium, -disodium, and -mono(N,N-dimethylalkylammonium), ethephon, flumetralin, flurenol, flurenol-butyl, flurprimidol, forchlorfenuron, gibberellic acid, inabenfide, indol-3-acetic acid (IAA), 4-indol-3-ylbutyric acid, isoprothiolane, probenazole, jasmonic acid, maleic hydrazide, mepiquat chloride, 1-methyl-cyclopropene, methyl jasmonate, 2-(1-naphthyl)acetamide, 1-naphthylacetic acid, 2-naphthyloxyacetic acid, nitrophenolate-mixture, paclobutrazol, N-(2-phenylethyl)-beta-alanine, N-phenylphthalamic acid, prohexadione, prohexadione-calcium, prohydrojasmone, salicylic acid, strigolactone, tecnazene, thidiazuron, triacontanol, trinexapac, trinexapac-ethyl, tsitodef, uniconazole, uniconazole-P.

Methods and Uses

The compound of formula (I) and composition comprising thereof comprising thereof have potent microbicidal activity and/or plant defense modulating potential. They can be used for controlling unwanted microorganisms, such as unwanted fungi and bacteria. They can be particularly useful in crop protection (they control microorganisms that cause plants diseases) or for protecting materials (e.g. industrial materials, timber, storage goods) as described in more details herein below. More specifically, the compound of formula (I) and composition comprising thereof can be used to protect seeds, germinating seeds, emerged seedlings, plants, plant parts, fruits, harvest goods and/or the soil in which the plants grow from unwanted microorganisms.

Control or controlling as used herein encompasses protective, curative and eradicative treatment of unwanted microorganisms. Unwanted microorganisms may be pathogenic bacteria, pathogenic virus, pathogenic oomycetes or pathogenic fungi, more specifically phytopathogenic bacteria, phytopathogenic virus, phytopathogenic oomycetes or phytopathogenic fungi. As detailed herein below, these phytopathogenic microorganisms are the causal agents of a broad spectrum of plants diseases.

More specifically, the compound of formula (I) and composition comprising thereof can be used as fungicides. For the purpose of the specification, the term "fungicide" refers to a compound or composition that can be used in crop protection for the control of unwanted fungi, such as Plasmodiophoromycetes, Chytridiomycetes, Zygomycetes, Ascomycetes, Basidiomycetes and Deuteromycetes and/or for the control of Oomycetes.

The compound of formula (I) and composition comprising thereof may also be used as antibacterial agent. In particular, they may be used in crop protection, for example for the control of unwanted bacteria, such as Pseudomonadaceae, Rhizobiaceae, Xanthomonadaceae, Enterobacteriaceae, Corynebacteriaceae and Streptomycetaceae.

The compound of formula (I) and composition comprising thereof may also be used as antiviral agent in crop protection. For example the compound of formula (I) and composition comprising thereof may have effects on diseases from plant viruses, such as the tobacco mosaic virus (TMV), tobacco rattle virus, tobacco stunt virus (TStuV), tobacco leaf curl virus (VLCV), tobacco nervilia mosaic virus (TVBMV), tobacco necrotic dwarf virus (TNDV), tobacco streak virus (TSV), potato virus X (PVX), potato viruses Y, S, M, and A, potato acuba mosaic virus (PAMV), potato mop-top virus (PMTV), potato leaf-roll virus (PLRV), alfalfa mosaic virus (AMV), cucumber mosaic virus (CMV), cucumber green mottlemosaic virus (CGMMV), cucumber yellows virus (CuYV), watermelon mosaic virus (WMV), tomato spotted wilt virus (TSWV), tomato ringspot virus (TomRSV), sugarcane mosaic virus (SCMV), rice drawf virus, rice stripe virus, rice black-streaked drawf virus, strawberry mottle virus (SMoV), strawberry vein banding virus (SVBV), strawberry mild yellow edge virus (SMYEV), strawberry crinkle virus (SCrV), broad beanwilt virus (BBWV), and melon necrotic spot virus (MNSV). The present invention also relates to a method for controlling unwanted microorganisms, such as unwanted fungi, oomycetes and bacteria, comprising the step of applying at least one compound of formula (I) or at least one composition to the microorganisms and/or their habitat (to the plants, plant parts, seeds, fruits or to the soil in which the plants grow).

Typically, when the compound of formula (I) and composition comprising thereof are used in curative or protective methods for controlling phytopathogenic fungi and/or phytopathogenic oomycetes, an effective and plant-compatible amount thereof is applied to the plants, plant parts, fruits, seeds or to the soil or substrates in which the plants grow. Suitable substrates that may be used for cultivating plants include inorganic based substrates, such as mineral wool, in particular stone wool, perlite, sand or gravel; organic substrates, such as peat, pine bark or sawdust; and petroleum based substrates such as polymeric foams or plastic beads. Effective and plant-compatible amount means an amount that is sufficient to control or destroy the fungi present or liable to appear on the cropland and that does not

entail any appreciable symptom of phytotoxicity for said crops. Such an amount can vary within a wide range depending on the fungus to be controlled, the type of crop, the crop growth stage, the climatic conditions and the respective compound of formula (I) or composition used. This amount can be determined by systematic field trials that are within the capabilities of a person skilled in the art.

Plants and Plant Parts

The compound of formula (I) and composition comprising thereof may be applied to any plants or plant parts.

Plants mean all plants and plant populations, such as desired and undesired wild plants or crop plants (including naturally occurring crop plants). Crop plants may be plants which can be obtained by conventional breeding and optimization methods or by biotechnological and genetic engineering methods or combinations of these methods, including the genetically modified plants (GMO or transgenic plants) and the plant cultivars which are protectable and non-protectable by plant breeders' rights.

Genetically Modified Plants (GMO)

Genetically modified plants (GMO or transgenic plants) are plants in which a heterologous gene has been stably integrated into the genome. The expression "heterologous gene" essentially means a gene which is provided or assembled outside the plant and when introduced in the nuclear, chloroplastic or mitochondrial genome. This gene gives the transformed plant new or improved agronomic or other properties by expressing a protein or polypeptide of interest or by downregulating or silencing other gene(s) which are present in the plant (using for example, antisense technology, cosuppression technology, RNA interference—RNAi—technology or microRNA—miRNA—technology). A heterologous gene that is located in the genome is also called a transgene. A transgene that is defined by its particular location in the plant genome is called a transformation or transgenic event.

Plant cultivars are understood to mean plants which have new properties ("traits") and have been obtained by conventional breeding, by mutagenesis or by recombinant DNA techniques. They can be cultivars, varieties, bio- or genotypes.

Plant parts are understood to mean all parts and organs of plants above and below the ground, such as shoots, leaves, needles, stalks, stems, flowers, fruit bodies, fruits, seeds, roots, tubers and rhizomes. The plant parts also include harvested material and vegetative and generative propagation material, for example cuttings, tubers, rhizomes, slips and seeds.

Plants which may be treated in accordance with the methods described herein include the following: cotton, flax, grapevine, fruit, vegetables, such as Rosaceae sp. (for example pome fruits such as apples and pears, but also stone fruits such as apricots, cherries, almonds and peaches, and soft fruits such as strawberries), Ribesioidae sp., Juglandaceae sp., Betulaceae sp., Anacardiaceae sp., Fagaceae sp., Moraceae sp., Oleaceae sp., Actinidaceae sp., Lauraceae sp., Musaceae sp. (for example banana trees and plantations), Rubiaceae sp. (for example coffee), Theaceae sp., Sterculiceae sp., Rutaceae sp. (for example lemons, oranges and grapefruit); Solanaceae sp. (for example tomatoes), Liliaceae sp., Asteraceae sp. (for example lettuce), Umbelliferae sp., Cruciferae sp., Chenopodiaceae sp., Cucurbitaceae sp. (for example cucumber), Alliaceae sp. (for example leek, onion), Papilionaceae sp. (for example peas); major crop plants, such as Gramineae sp. (for example maize, turf, cereals such as wheat, rye, rice, barley, oats, millet and triticale), Asteraceae sp. (for example sunflower), Brassicaceae sp. (for example white cabbage, red cabbage, broccoli, cauliflower, Brussels sprouts, pak choi, kohlrabi, radishes, and oilseed rape, mustard, horseradish and cress), Fabacae sp. (for example bean, peanuts), Papilionaceae sp. (for example soya bean), Solanaceae sp. (for example potatoes), Chenopodiaceae sp. (for example sugar beet, fodder beet, swiss chard, beetroot); useful plants and ornamental plants for gardens and wooded areas; and genetically modified varieties of each of these plants.

Plants and plant cultivars which may be treated by the above disclosed methods include plants and plant cultivars which are resistant against one or more biotic stresses, i.e. said plants show a better defense against animal and microbial pests, such as against nematodes, insects, mites, phytopathogenic fungi, bacteria, viruses and/or viroids.

Plants and plant cultivars which may be treated by the above disclosed methods include those plants which are resistant to one or more abiotic stresses. Abiotic stress conditions may include, for example, drought, cold temperature exposure, heat exposure, osmotic stress, flooding, increased soil salinity, increased mineral exposure, ozone exposure, high light exposure, limited availability of nitrogen nutrients, limited availability of phosphorus nutrients, shade avoidance.

Plants and plant cultivars which may be treated by the above disclosed methods include those plants characterized by enhanced yield characteristics. Increased yield in said plants may be the result of, for example, improved plant physiology, growth and development, such as water use efficiency, water retention efficiency, improved nitrogen use, enhanced carbon assimilation, improved photosynthesis, increased germination efficiency and accelerated maturation. Yield may furthermore be affected by improved plant architecture (under stress and non-stress conditions), including but not limited to, early flowering, flowering control for hybrid seed production, seedling vigor, plant size, internode number and distance, root growth, seed size, fruit size, pod size, pod or ear number, seed number per pod or ear, seed mass, enhanced seed filling, reduced seed dispersal, reduced pod dehiscence and lodging resistance. Further yield traits include seed composition, such as carbohydrate content and composition for example cotton or starch, protein content, oil content and composition, nutritional value, reduction in anti-nutritional compounds, improved processability and better storage stability.

Plants and plant cultivars which may be treated by the above disclosed methods include plants and plant cultivars which are hybrid plants that already express the characteristic of heterosis or hybrid vigor which results in generally higher yield, vigor, health and resistance towards biotic and abiotic stresses. Plants and plant cultivars (obtained by plant biotechnology methods such as genetic engineering) which may be treated by the above disclosed methods include plants and plant cultivars which are herbicide-tolerant plants, i.e. plants made tolerant to one or more given herbicides. Such plants can be obtained either by genetic transformation, or by selection of plants containing a mutation imparting such herbicide tolerance.

Plants and plant cultivars (obtained by plant biotechnology methods such as genetic engineering) which may be treated by the above disclosed methods include plants and plant cultivars which are insect-resistant transgenic plants, i.e. plants made resistant to attack by certain target insects. Such plants can be obtained by genetic transformation, or by selection of plants containing a mutation imparting such insect resistance.

Plants and plant cultivars (obtained by plant biotechnology methods such as genetic engineering) which may be treated by the above disclosed methods include plants and plant cultivars which are disease-resistant transgenic plants, i.e. plants made resistant to attack by certain target insects. Such plants can be obtained by genetic transformation, or by selection of plants containing a mutation imparting such insect resistance.

Plants and plant cultivars (obtained by plant biotechnology methods such as genetic engineering) which may be treated by the above disclosed methods include plants and plant cultivars which are tolerant to abiotic stresses. Such plants can be obtained by genetic transformation, or by selection of plants containing a mutation imparting such stress resistance.

Plants and plant cultivars (obtained by plant biotechnology methods such as genetic engineering) which may be treated by the above disclosed methods include plants and plant cultivars which show altered quantity, quality and/or storage-stability of the harvested product and/or altered properties of specific ingredients of the harvested product.

Plants and plant cultivars (obtained by plant biotechnology methods such as genetic engineering) which may be treated by the above disclosed methods include plants and plant cultivars, such as cotton plants, with altered fiber characteristics. Such plants can be obtained by genetic transformation, or by selection of plants contain a mutation imparting such altered fiber characteristics.

Plants and plant cultivars (obtained by plant biotechnology methods such as genetic engineering) which may be treated by the above disclosed methods include plants and plant cultivars, such as oilseed rape or related *Brassica* plants, with altered oil profile characteristics. Such plants can be obtained by genetic transformation, or by selection of plants contain a mutation imparting such altered oil profile characteristics.

Plants and plant cultivars (obtained by plant biotechnology methods such as genetic engineering) which may be treated by the above disclosed methods include plants and plant cultivars, such as oilseed rape or related *Brassica* plants, with altered seed shattering characteristics. Such plants can be obtained by genetic transformation, or by selection of plants contain a mutation imparting such altered seed shattering characteristics and include plants such as oilseed rape plants with delayed or reduced seed shattering.

Plants and plant cultivars (obtained by plant biotechnology methods such as genetic engineering) which may be treated by the above disclosed methods include plants and plant cultivars, such as Tobacco plants, with altered post-translational protein modification patterns.

Pathogens Non-limiting examples of pathogens of fungal diseases which may be treated in accordance with the invention include:

diseases caused by powdery mildew pathogens, for example *Blumeria* species, for example *Blumeria graminis; Podosphaera* species, for example *Podosphaera leucotricha; Sphaerotheca* species, for example *Sphaerotheca fuliginea; Uncinula* species, for example *Uncinula necator;*

diseases caused by rust disease pathogens, for example *Gymnosporangium* species, for example *Gymnosporangium sabinae; Hemileia* species, for example *Hemileia vastatrix; Phakopsora* species, for example *Phakopsora pachyrhizi* or *Phakopsora meibomiae; Puccinia* species, for example *Puccinia recondita, Puccinia graminis* oder *Puccinia striiformis; Uromyces* species, for example *Uromyces appendiculatus;*

diseases caused by pathogens from the group of the Oomycetes, for example *Albugo* species, for example *Albugo candida; Bremia* species, for example *Bremia lactucae; Peronospora* species, for example *Peronospora pisi* or *P. brassicae; Phytophthora* species, for example *Phytophthora infestans; Plasmopara* species, for example *Plasmopara viticola; Pseudoperonospora* species, for example *Pseudoperonospora humuli* or *Pseudoperonospora cubensis; Pythium* species, for example *Pythium ultimum;*

leaf blotch diseases and leaf wilt diseases caused, for example, by *Alternaria* species, for example *Alternaria solani; Cercospora* species, for example *Cercospora beticola; Cladiosporium* species, for example *Cladiosporium cucumerinum; Cochliobolus* species, for example *Cochliobolus sativus* (conidial form: *Drechslera*, syn: *Helminthosporium*) or *Cochliobolus miyabeanus; Colletotrichum* species, for example *Colletotrichum lindemuthanium; Corynespora* species, for example *Corynespora cassiicola; Cycloconium* species, for example *Cycloconium oleaginum; Diaporthe* species, for example *Diaporthe citri; Elsinoe* species, for example *Elsinoe fawcettii; Gloeosporium* species, for example *Gloeosporium laeticolor; Glomerella* species, for example *Glomerella cingulata; Guignardia* species, for example *Guignardia bidwelli; Leptosphaeria* species, for example *Leptosphaeria maculans; Magnaporthe* species, for example *Magnaporthe grisea; Microdochium* species, for example *Microdochium nivale; Mycosphaerella* species, for example *Mycosphaerella graminicola, Mycosphaerella arachidicola* or *Mycosphaerella fijiensis; Phaeosphaeria* species, for example *Phaeosphaeria nodorum; Pyrenophora* species, for example *Pyrenophora teres* or *Pyrenophora tritici repentis; Ramularia* species, for example *Ramularia collo-cygni* or *Ramularia areola; Rhynchosporium* species, for example *Rhynchosporium secalis; Septoria* species, for example *Septoria apii* or *Septoria lycopersici; Stagonospora* species, for example *Stagonospora nodorum; Typhula* species, for example *Typhula incarnata; Venturia* species, for example *Venturia inaequalis;*

root and stem diseases caused, for example, by *Corticium* species, for example *Corticium graminearum; Fusarium* species, for example *Fusarium oxysporum; Gaeumannomyces* species, for example *Gaeumannomyces graminis; Plasmodiophora* species, for example *Plasmodiophora brassicae; Rhizoctonia* species, for example *Rhizoctonia solani; Sarocladium* species, for example *Sarocladium oryzae; Sclerotium* species, for example *Sclerotium oryzae; Tapesia* species, for example *Tapesia acuformis; Thielaviopsis* species, for example *Thielaviopsis basicola;*

ear and panicle diseases (including corn cobs) caused, for example, by *Alternaria* species, for example *Alternaria* spp.; *Aspergillus* species, for example *Aspergillus flavus; Cladosporium* species, for example *Cladosporium cladosporioides; Claviceps* species, for example *Claviceps purpurea; Fusarium* species, for example *Fusarium culmorum; Gibberella* species, for example *Gibberella zeae; Monographella* species, for example *Monographella nivalis; Stagnospora* species, for example *Stagnospora nodorum;*

diseases caused by smut fungi, for example *Sphacelotheca* species, for example *Sphacelotheca reiliana; Tilletia* species, for example *Tilletia caries* or *Tilletia controversa; Urocystis* species, for example *Urocystis occulta; Ustilago* species, for example *Ustilago nuda;*

fruit rot caused, for example, by *Aspergillus* species, for example *Aspergillus flavus; Botrytis* species, for example *Botrytis cinerea; Monilinia* species, for example *Monilinia laxa; Penicillium* species, for example *Penicillium expan-*

sum or *Penicillium purpurogenum; Rhizopus* species, for example *Rhizopus stolonifer; Sclerotinia* species, for example *Sclerotinia sclerotiorum; Verticilium* species, for example *Verticilium alboatrum;*

seed- and soil-borne rot and wilt diseases, and also diseases of seedlings, caused, for example, by *Alternaria* species, for example *Alternaria brassicicola; Aphanomyces* species, for example *Aphanomyces euteiches; Ascochyta* species, for example *Ascochyta lentis; Aspergillus* species, for example *Aspergillus flavus; Cladosporium* species, for example *Cladosporium herbarum; Cochliobolus* species, for example *Cochliobolus sativus* (conidial form: *Drechslera, Bipolaris* Syn: *Helminthosporium*); *Colletotrichum* species, for example *Colletotrichum coccodes; Fusarium* species, for example *Fusarium culmorum; Gibberella* species, for example *Gibberella zeae; Macrophomina* species, for example *Macrophomina phaseolina; Microdochium* species, for example *Microdochium nivale; Monographella* species, for example *Monographella nivalis; Penicillium* species, for example *Penicillium expansum; Phoma* species, for example *Phoma* lingam; *Phomopsis* species, for example *Phomopsis sojae; Phytophthora* species, for example *Phytophthora cactorum; Pyrenophora* species, for example *Pyrenophora graminea; Pyricularia* species, for example *Pyricularia oryzae; Pythium* species, for example *Pythium ultimum; Rhizoctonia* species, for example *Rhizoctonia solani; Rhizopus* species, for example *Rhizopus oryzae; Sclerotium* species, for example *Sclerotium rolfsii; Septoria* species, for example *Septoria nodorum; Typhula* species, for example *Typhula incarnata; Verticillium* species, for example *Verticillium dahliae;*

cancers, galls and witches' broom caused, for example, by *Nectria* species, for example *Nectria galligena;*

wilt diseases caused, for example, by *Verticillium* species, for example *Verticillium longisporum; Fusarium* species, for example *Fusarium oxysporum;*

deformations of leaves, flowers and fruits caused, for example, by *Exobasidium* species, for example *Exobasidium vexans; Taphrina* species, for example *Taphrina deformans;*

degenerative diseases in woody plants, caused, for example, by Esca species, for example *Phaeomoniella chlamydospora, Phaeoacremonium aleophilum* or *Fomitiporia mediterranea; Ganoderma* species, for example *Ganoderma boninense;*

diseases of plant tubers caused, for example, by *Rhizoctonia* species, for example *Rhizoctonia solani; Helminthosporium* species, for example *Helminthosporium solani;*

diseases caused by bacterial pathogens, for example *Xanthomonas* species, for example *Xanthomonas campestris* pv. *oryzae; Pseudomonas* species, for example *Pseudomonas syringae* pv. *lachrymans; Erwinia* species, for example *Erwinia amylovora; Liberibacter* species, for example *Liberibacter asiaticus; Xyella* species, for example *Xylella fastidiosa; Ralstonia* species, for example *Ralstonia solanacearum; Dickeya* species, for example *Dickeya solani; Clavibacter* species, for example *Clavibacter michiganensis; Streptomyces* species, for example *Streptomyces* scabies.

diseases of soya beans:

Fungal diseases on leaves, stems, pods and seeds caused, for example, by *Alternaria* leaf spot (*Alternaria* spec. atrans *tenuissima*), Anthracnose (*Colletotrichum gloeosporoides dematium* var. *truncatum*), brown spot (*Septoria glycines*), *Cercospora* leaf spot and blight (*Cercospora kikuchii*), *Choanephora* leaf blight (*Choanephora infundibulifera trispora* (Syn.)), *Dactuliophora* leaf spot (*Dactuliophora glycines*), downy mildew (*Peronospora manshurica*), *Drechslera* blight (*Drechslera glycini*), frogeye leaf spot (*Cercospora sojina*), *leptosphaerulina* leaf spot (*Leptosphaerulina trifolii*), *Phyllostica* leaf spot (*Phyllosticta sojaecola*), pod and stem blight (*Phomopsis sojae*), powdery mildew (*Microsphaera diffusa*), *Pyrenochaeta* leaf spot (*Pyrenochaeta glycines*), *Rhizoctonia* aerial, foliage, and web blight (*Rhizoctonia solani*), rust (*Phakopsora pachyrhizi, Phakopsora meibomiae*), scab (*Sphaceloma glycines*), *Stemphylium* leaf blight (*Stemphylium botryosum*), sudden death syndrome (*Fusarium virguliforme*), target spot (*Corynespora cassiicola*).

Fungal diseases on roots and the stem base caused, for example, by black root rot (*Calonectria crotalariae*), charcoal rot (*Macrophomina phaseolina*), *Fusarium* blight or wilt, root rot, and pod and collar rot (*Fusarium oxysporum, Fusarium orthoceras, Fusarium semitectum, Fusarium equiseth*), *Mycoleptodiscus* root rot (*Mycoleptodiscus terrestris*), *Neocosmospora* (*Neocosmospora vasinfecta*), pod and stem blight (*Diaporthe phaseolorum*), stem canker (*Diaporthe phaseolorum* var. *caulivora*), *Phytophthora* rot (*Phytophthora megasperma*), brown stem rot (*Phialophora gregata*), *Pythium* rot (*Pythium aphanidermatum, Pythium irregulare, Pythium debaryanum, Pythium myriotylum, Pythium ultimum*), *Rhizoctonia* root rot, stem decay, and damping-off (*Rhizoctonia solani*), *Sclerotinia* stem decay (*Sclerotinia sclerotiorum*), *Sclerotinia* southern blight (*Sclerotinia rolfsii*), *Thielaviopsis* root rot (*Thielaviopsis basicola*).

Mycotoxins

In addition, the compound of formula (I) and composition comprising thereof may reduce the mycotoxin content in the harvested material and the foods and feeds prepared therefrom. Mycotoxins include particularly, but not exclusively, the following: deoxynivalenol (DON), nivalenol, 15-Ac-DON, 3-Ac-DON, T2- and HT2-toxin, fumonisins, zearalenon, moniliformin, fusarin, diaceotoxyscirpenol (DAS), beauvericin, enniatin, fusaroproliferin, fusarenol, ochratoxins, patulin, ergot alkaloids and aflatoxins which can be produced, for example, by the following fungi: *Fusarium* spec., such as *F. acuminatum, F. asiaticum, F. avenaceum, F. crookwellense, F. culmorum, F. graminearum* (*Gibberella zeae*), *F. equiseti, F. fujikoroi, F. musarum, F. oxysporum, F. proliferatum, F. poae, F. pseudograminearum, F. sambucinum, F. scirpi, F. semitectum, F. solani, F. sporotrichoides, F. langsethiae, F. subglutinans, F. tricinctum, F. verticillioides* etc., and also by *Aspergillus* spec., such as *A. flavus, A. parasiticus, A. nomius, A. ochraceus, A. clavatus, A. terreus, A. versicolor, Penicillium* spec., such as *P. verrucosum, P. viridicatum, P. citrinum, P. expansum, P. claviforme, P. roqueforti, Claviceps* spec., such as *C. purpurea, C. fusiformis, C. paspali, C. africana, Stachybotrys* spec. and others.

Material Protection

The compound of formula (I) and composition comprising thereof may also be used in the protection of materials, especially for the protection of industrial materials against attack and destruction by phytopathogenic fungi.

In addition, the compound of formula (I) and composition comprising thereof may be used as antifouling compositions, alone or in combinations with other active ingredients.

Industrial materials in the present context are understood to mean inanimate materials which have been prepared for use in industry. For example, industrial materials which are to be protected from microbial alteration or destruction may be adhesives, glues, paper, wallpaper and board/cardboard, textiles, carpets, leather, wood, fibers and tissues, paints and plastic articles, cooling lubricants and other materials which

can be infected with or destroyed by microorganisms. Parts of production plants and buildings, for example cooling-water circuits, cooling and heating systems and ventilation and air-conditioning units, which may be impaired by the proliferation of microorganisms may also be mentioned within the scope of the materials to be protected. Industrial materials within the scope of the present invention preferably include adhesives, sizes, paper and card, leather, wood, paints, cooling lubricants and heat transfer fluids, more preferably wood.

The compound of formula (I) and composition comprising thereof may prevent adverse effects, such as rotting, decay, discoloration, decoloration or formation of mould.

In the case of treatment of wood the compound of formula (I) and composition comprising thereof may also be used against fungal diseases liable to grow on or inside timber.

Timber means all types of species of wood, and all types of working of this wood intended for construction, for example solid wood, high-density wood, laminated wood, and plywood. In addition, the compound of formula (I) and composition comprising thereof may be used to protect objects which come into contact with saltwater or brackish water, especially hulls, screens, nets, buildings, moorings and signalling systems, from fouling.

The compound of formula (I) and composition comprising thereof may also be employed for protecting storage goods. Storage goods are understood to mean natural substances of vegetable or animal origin or processed products thereof which are of natural origin, and for which long-term protection is desired. Storage goods of vegetable origin, for example plants or plant parts, such as stems, leaves, tubers, seeds, fruits, grains, may be protected freshly harvested or after processing by (pre)drying, moistening, comminuting, grinding, pressing or roasting. Storage goods also include timber, both unprocessed, such as construction timber, electricity poles and barriers, or in the form of finished products, such as furniture. Storage goods of animal origin are, for example, hides, leather, furs and hairs. The compound of formula (I) and composition comprising thereof may prevent adverse effects, such as rotting, decay, discoloration, decoloration or formation of mould.

Microorganisms capable of degrading or altering industrial materials include, for example, bacteria, fungi, yeasts, algae and slime organisms. The compound of formula (I) and composition comprising thereof preferably act against fungi, especially moulds, wood-discoloring and wood-destroying fungi (Ascomycetes, Basidiomycetes, Deuteromycetes and Zygomycetes), and against slime organisms and algae. Examples include microorganisms of the following genera: *Alternaria*, such as *Alternaria tenuis; Aspergillus*, such as *Aspergillus niger, Chaetomium*, such as *Chaetomium globosum; Coniophora*, such as *Coniophora puetana; Lentinus*, such as *Lentinus tigrinus; Penicillium*, such as *Penicillium glaucum; Polyporus*, such as *Polyporus versicolor, Aureobasidium*, such as *Aureobasidium pullulans; Sclerophoma*, such as *Sclerophoma pityophila; Trichoderma*, such as *Trichoderma viride; Ophiostoma* spp., *Ceratocystis* spp., *Humicola* spp., *Petriella* spp., *Trichurus* spp., *Coriolus* spp., *Gloeophyllum* spp., *Pleurotus* spp., *Poria* spp., *Serpula* spp. and *Tyromyces* spp., *Cladosporium* spp., *Paecilomyces* spp. *Mucor* spp., *Escherichia*, such as *Escherichia coli; Pseudomonas*, such as *Pseudomonas aeruginosa; Staphylococcus*, such as *Staphylococcus aureus, Candida* spp. and *Saccharomyces* spp., such as *Saccharomyces cerevisae.*

Seed Treatment

The compound of formula (I) and composition comprising thereof may also be used to protect seeds from unwanted microorganisms, such as phytopathogenic microorganisms, for instance phytopathogenic fungi or phytopathogenic oomycetes. The term seed(s) as used herein include dormant seeds, primed seeds, pregerminated seeds and seeds with emerged roots and leaves.

Thus, the present invention also relates to a method for protecting seeds from unwanted microorganisms which comprises the step of treating the seeds with the compound of formula (I) or the composition.

The treatment of seeds with the compound of formula (I) or the composition protects the seeds from phytopathogenic microorganisms, but also protects the germinating seeds, the emerging seedlings and the plants after emergence from the treated seeds. Therefore, the present invention also relates to a method for protecting seeds, germinating seeds and emerging seedlings.

The seeds treatment may be performed prior to sowing, at the time of sowing or shortly thereafter. When the seeds treatment is performed prior to sowing (e.g. so-called on-seed applications), the seeds treatment may be performed as follows: the seeds may be placed into a mixer with a desired amount of the compound of formula (I) or the composition, the seeds and the compound of formula (I) or the composition are mixed until an homogeneous distribution on seeds is achieved. If appropriate, the seeds may then be dried.

The invention also relates to seeds coated with the compound of formula (I) or composition comprising thereof.

Preferably, the seeds are treated in a state in which it is sufficiently stable for no damage to occur in the course of treatment. In general, seeds can be treated at any time between harvest and shortly after sowing. It is customary to use seeds which have been separated from the plant and freed from cobs, shells, stalks, coats, hairs or the flesh of the fruits. For example, it is possible to use seeds which have been harvested, cleaned and dried down to a moisture content of less than 15% by weight. Alternatively, it is also possible to use seeds which, after drying, for example, have been treated with water and then dried again, or seeds just after priming, or seeds stored in primed conditions or pregerminated seeds, or seeds sown on nursery trays, tapes or paper.

The amount of the compound of formula (I) or composition comprising thereof applied to the seeds is typically such that the germination of the seed is not impaired, or that the resulting plant is not damaged. This must be ensured particularly in case the compound of formula (I) would exhibit phytotoxic effects at certain application rates. The intrinsic phenotypes of transgenic plants should also be taken into consideration when determining the amount of the compound of formula (I) to be applied to the seed in order to achieve optimum seed and germinating plant protection with a minimum amount of compound being employed.

The compound of formula (I) can be applied as such, directly to the seeds, i.e. without the use of any other components and without having been diluted. Also the composition comprising thereof can be applied to the seeds.

The compound of formula (I) and composition comprising thereof are suitable for protecting seeds of any plant variety. Preferred seeds are that of cereals (such as wheat, barley, rye, millet, triticale, and oats), oilseed rape, maize, cotton, soybean, rice, potatoes, sunflower, beans, coffee, peas, beet (e.g. sugar beet and fodder beet), peanut, vegetables (such as tomato, cucumber, onions and lettuce), lawns and ornamental plants. More preferred are seeds of wheat, soybean, oilseed rape, maize and rice.

The compound of formula (I) and composition comprising thereof may be used for treating transgenic seeds, in

particular seeds of plants capable of expressing a polypeptide or protein which acts against pests, herbicidal damage or abiotic stress, thereby increasing the protective effect. Seeds of plants capable of expressing a polypeptide or protein which acts against pests, herbicidal damage or abiotic stress may contain at least one heterologous gene which allows the expression of said polypeptide or protein. These heterologous genes in transgenic seeds may originate, for example, from microorganisms of the species *Bacillus, Rhizobium, Pseudomonas, Serratia, Trichoderma, Clavibacter, Glomus* or *Gliocladium*. These heterologous genes preferably originate from *Bacillus* sp., in which case the gene product is effective against the European corn borer and/or the Western corn rootworm. Particularly preferably, the heterologous genes originate from *Bacillus thuringiensis*.

Application

The compound of formula (I) can be applied as such, or for example in the form of as ready-to-use solutions, emulsions, water- or oil-based suspensions, powders, wettable powders, pastes, soluble powders, dusts, soluble granules, granules for broadcasting, suspoemulsion concentrates, natural products impregnated with the compound of formula (I), synthetic substances impregnated with the compound of formula (I), fertilizers or microencapsulations in polymeric substances.

Application is accomplished in a customary manner, for example by watering, spraying, atomizing, broadcasting, dusting, foaming, spreading-on and the like. It is also possible to deploy the compound of formula (I) by the ultra-low volume method, via a drip irrigation system or drench application, to apply it in-furrow or to inject it into the soil stem or trunk. It is further possible to apply the compound of formula (I) by means of a wound seal, paint or other wound dressing.

The effective and plant-compatible amount of the compound of formula (I) which is applied to the plants, plant parts, fruits, seeds or soil will depend on various factors, such as the compound/composition employed, the subject of the treatment (plant, plant part, fruit, seed or soil), the type of treatment (dusting, spraying, seed dressing), the purpose of the treatment (curative and protective), the type of microorganisms, the development stage of the microorganisms, the sensitivity of the microorganisms, the crop growth stage and the environmental conditions.

When the compound of formula (I) is used as a fungicide, the application rates can vary within a relatively wide range, depending on the kind of application. For the treatment of plant parts, such as leaves, the application rate may range from 0.1 to 10 000 g/ha, preferably from 10 to 1000 g/ha, more preferably from 50 to 300 g/ha (in the case of application by watering or dripping, it is even possible to reduce the application rate, especially when inert substrates such as rockwool or perlite are used). For the treatment of seeds, the application rate may range from 0.1 to 200 g per 100 kg of seeds, preferably from 1 to 150 g per 100 kg of seeds, more preferably from 2.5 to 25 g per 100 kg of seeds, even more preferably from 2.5 to 12.5 g per 100 kg of seeds. For the treatment of soil, the application rate may range from 0.1 to 10 000 g/ha, preferably from 1 to 5000 g/ha.

These application rates are merely examples and are not intended to limit the scope of the present invention.

Aspects of the present teaching may be further understood in light of the following examples, which should not be construed as limiting the scope of the present teaching in anyway.

EXAMPLES

Generality

Measurement of Log P Values

Measurement of Log P values as provided herein was performed according to EEC directive 79/831 Annex V.A8 by HPLC (High Performance Liquid Chromatography) on reversed phase columns with the following methods:

[a] Log P value is determined by measurement of LC-UV, in an acidic range, with 0.1% formic acid in water and acetonitrile as eluent (linear gradient from 10% acetonitrile to 95% acetonitrile).

[b] Log P value is determined by measurement of LC-UV, in a neutral range, with 0.001 molar ammonium acetate solution in water and acetonitrile as eluent (linear gradient from 10% acetonitrile to 95% acetonitrile).

[c] Log P value is determined by measurement of LC-UV, in an acidic range, with 0.1% phosphoric acid and acetonitrile as eluent (linear gradient from 10% acetonitrile to 95% acetonitrile).

If more than one Log P value is available within the same method, all the values are given and separated by "+".

Calibration was done with straight-chain alkan2-ones (with 3 to 16 carbon atoms) with known Log P values (measurement of Log P values using retention times with linear interpolation between successive alkanones). Lambda-max-values were determined using UV-spectra from 200 nm to 400 nm and the peak values of the chromatographic signals

1H-NMR Data

1H-NMR data of selected examples as provided herein are written in form of 1H-NMR-peak lists. To each signal peak are listed the 6-value in ppm and the signal intensity in round brackets. Between the δ-value—signal intensity pairs are semicolons as delimiters.

The peak list of an example has therefore the form:

δ_1 (intensity$_1$); δ_2 (intensity$_2$); . . . δ_i (intensity$_i$); . . . ; δ_n (intensity$_n$)

Intensity of sharp signals correlates with the height of the signals in a printed example of a NMR spectrum in cm and shows the real relations of signal intensities. From broad signals several peaks or the middle of the signal and their relative intensity in comparison to the most intensive signal in the spectrum can be shown.

For calibrating chemical shift for 1H spectra, we use tetramethylsilane and/or the chemical shift of the solvent used, especially in the case of spectra measured in DMSO. Therefore in NMR peak lists, tetramethylsilane peak can occur but not necessarily.

The 1H-NMR peak lists are similar to classical 1H-NMR prints and contains therefore usually all peaks, which are listed at classical NMR-interpretation.

Additionally they can show like classical 1H-NMR prints signals of solvents, stereoisomers of the target compounds, which are also object of the invention, and/or peaks of impurities.

To show compound signals in the delta-range of solvents and/or water the usual peaks of solvents, for example peaks of DMSO in DMSO-D_6 and the peak of water are shown in our 1H-NMR peak lists and have usually on average a high intensity.

The peaks of stereoisomers of the target compounds and/or peaks of impurities have usually on average a lower intensity than the peaks of target compounds (for example with a purity >90%).

Such stereoisomers and/or impurities can be typical for the specific preparation process. Therefore their peaks can

help to recognize the reproduction of our preparation process via "side-products-fingerprints".

An expert, who calculates the peaks of the target compounds with known methods (MestreC, ACD-simulation, but also with empirically evaluated expectation values) can isolate the peaks of the target compounds as needed optionally using additional intensity filters. This isolation would be similar to relevant peak picking at classical 1H-NMR interpretation.

Further details of NMR-data description with peak lists you find in the publication "Citation of NMR Peaklist Data within Patent Applications" of the Research Disclosure Database Number 564025.

The following examples illustrate in a non-limiting manner the preparation and biological activity of the compounds of formula (I) according to the invention.

Synthesis of Compounds of Formula (1) and Intermediates

Preparation Example 1: Preparation of methyl N-[6-chloro-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carbonyl]-N-[2-(2,4-dimethylphenyl)-2,2-difluoro-ethyl]carbamate (Compound I.335)

To a solution of 6-chloro-N-[2-(2,4-dimethylphenyl)-2,2-difluoro-ethyl]-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxamide (100 mg, 0.206 mmol) and potassium tert-butoxide (34 mg, 0.309 mmol) in THE (3 mL) was added methyl chloroformate (0.024 mL, 0.309 mmol). The reaction mixture was stirred 3 h at room temperature, then diluted with water and extracted with ethyl acetate (2×50 mL). The organic extracts were washed with brine, dried over magnesium sulfate, filtered and concentrated under reduced pressure. Purification of the residue by column chromatography on silica gel (gradient heptane/EtOAc) afforded, after evaporation of the solvents, 69 mg (88% purity, 54% yield of methyl N-[6-chloro-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carbonyl]-N-[2-(2,4-dimethylphenyl)-2,2-difluoro-ethyl]carbamate as an oil.

Preparation Example 2: Preparation of N-[2-(2,4-dimethylphenyl)ethyl]-6-methyl-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carbothioamide (Compound I.094)

In a microwave vial, N-[2-(2,4-dimethylphenyl)ethyl]-6-methyl-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxamide (97.7 mg, 0.22 mmol) and P_2S_5 (25.28 mg, 0.11 mmol) were dissolved in dioxane (4.8 mL). The tube was sealed and the reaction mixture was heated in the microwave at 130° C. for 10 min.

The reaction mixture was diluted with water and extracted with ethyl acetate (2×50 mL). The organic extracts were washed with water and brine, dried over magnesium sulfate, filtered and concentrated under reduced pressure. Purification of the residue by column chromatography on silica gel (gradient heptane/EtOAc) afforded, after evaporation of the solvents, 27.5 mg (100% purity, 27% yield) of N-[2-(2,4-dimethylphenyl)ethyl]-6-methyl-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carbothioamide as a yellow solid.

Preparation Example 3: Preparation of 6-chloro-N-[2-(2,4-dimethylphenyl)-2,2-difluoro-ethyl]-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxamide (Compound I.014)

Step 1: Preparation of ethyl 6-chloro-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxylate

Under argon, sodium hydride (2.8 g, 70 mmol) was added to a solution of 3-(trifluoromethyl)phenol (9.7 g, 60 mmol) in DMF (30 mL). The reaction mixture was stirred 1 h at room temperature, then ethyl 3,6-dichloropyridazine-4-carboxylate (13.8 g, 50 mmol) was added portionwise to the solution. The reaction mixture was stirred for 18 h at room temperature, then diluted with water and extracted with diethylether (3×200 mL). The organic extracts were washed with water and brine, dried over magnesium sulfate, filtered and concentrated under reduced pressure. Purification of the residue by column chromatography on silica gel (gradient heptane/EtOAc) afforded, after evaporation of the solvents, 20 g (90% purity, 100% yield) of ethyl 6-chloro-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxylate as an oil.

Step 2: Preparation of 6-chloro-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxylic Acid

To a solution of ethyl 6-chloro-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxylate (15 g, 35 mmol) in dioxane/water 2:1 (75 mL) was added lithium hydroxide (2.5 g, 105 mmol). The reaction was stirred for 4 h at room temperature then diluted with water. The aqueous phase was acidified with 1M aqueous HCl solution and extracted with ethyl acetate (3×200 mL). The organic extracts were dried over magnesium sulfate, filtered and concentrated under reduced pressure. Evaporation of the solvents afforded 9.7 g (98% purity, 85% yield) of 6-chloro-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxylic acid as a solid.

Step 3: Preparation of 6-chloro-N-[2-(2,4-dimethylphenyl)-2,2-difluoro-ethyl]-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxamide

In a microwave vial, 6-chloro-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxylic acid (1.74 g, 9.4 mmol), triethylamine (2 mL, 14 mmol), propylphosphonic anhydride (5.19 g, 8.1 mmol, 50% in THF) and 2-(2,4-dimethylphenyl)-2,2-difluoro-ethanamine (1.74 g, 9.41 mmol) were dissolved in THE (10 mL). The tube was sealed and the reaction mixture was heated in the microwave at 130° C. for 15 min. The reaction mixture was diluted with water and extracted with ethyl acetate (2×50 mL). The organic extracts were washed with a saturated aqueous sodium bicarbonate solution and brine, dried over magnesium sulfate, filtered and concentrated under reduced pressure. Evaporation of the solvents afforded 3.2 g (93% purity, 98% yield) of 6-chloro-N-[2-(2,4-dimethylphenyl)-2,2-difluoro-ethyl]-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxamide as a white solid Preparation example 4: Preparation of N-[2-(4-bromo-2-chloro-phenyl)-2,2-difluoro-ethyl]-6-chloro-3-(2,3-difluorophenoxy)pyridazine-4-carboxamide (Compound I.530)

Step 1: Preparation of N-[2-(4-bromo-2-chloro-phenyl)-2,2-difluoro-ethyl]-3,6-dichloro-pyridazine-4-carboxamide (Compound 3.10)

To a white suspension of 3,6-dichloropyridazine-4-carboxylic acid (8.0 g, 41.4 mmol) in dichloromethane (50 mL) was added oxalyl chloride (7.89 g, 126.93 mmol) followed by two drops of DMF. The reaction mixture was stirred at room temperature for 1 h. To the pre-formed acyl chloride was added a solution of 2-(4-bromo-2-chloro-phenyl)-2,2-difluoro-ethanamine (11.77 g, 43.52 mmol) and triethylamine (11.55 mL, 82.90 mmol) in DCM (100 mL). The reaction mixture was stirred at room temperature for 1 h, then it was diluted with water and extracted with DCM (2×100 mL).

The organic extracts were washed with water and brine, dried over magnesium sulfate, filtered and concentrated under reduced pressure. Purification of the residue by column chromatography on silica gel (gradient heptane/EtOAc) afforded, after evaporation of the solvents, 4.15 g (82% purity, 20% yield) of N-[2-(4-bromo-2-chloro-phenyl)-2,2-difluoro-ethyl]-3,6-dichloro-pyridazine-4-carboxamide as a white solid.

Step 2: Preparation of N-[2-(4-bromo-2-chloro-phenyl)-2,2-difluoro-ethyl]-6-chloro-3-(2,3-difluoro-phenoxy)pyridazine-4-carboxamide

To a solution of N-[2-(4-bromo-2-chloro-phenyl)-2,2-difluoro-ethyl]-3,6-dichloro-pyridazine-4-carboxamide (150 mg, 0.33 mmol) in AcCN (4 mL) were added 2,3-difluorophenol (56.95 mg, 0.44 mmol) and potassium carbonate (93 mg, 0.67 mmol). The reaction mixture was stirred at room temperature for 18 h, then it was diluted with water and extracted with ethyl acetate (2×100 mL). The organic extracts were washed with water and brine, dried over magnesium sulfate, filtered and concentrated under reduced pressure. Purification of the residue by preparative HPLC afforded, after evaporation of the solvents, 85 mg (100% purity, 46% yield) of N-[2-(4-bromo-2-chloro-phenyl)-2,2-difluoro-ethyl]-6-chloro-3-(2,3-difluorophenoxy) pyridazine-4-carboxamide as a colourless oil.

Preparation Example 5: Preparation of 6-chloro-N-[2-(4-cyclopropyl-2-methyl-phenyl)-2,2-difluoro-ethyl]-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxamide (Compound I.240)

Under argon, cyclopropylboronic acid (19.7 mg, 0.22 mmol) was added to a stirred solution of N-[2-(4-bromo-2-methyl-phenyl)-2,2-difluoro-ethyl]-6-chloro-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxamide (100 mg, 0.18 mmol), palladium acetate (8.5 mg, 0.018 mmol) and potassium phosphate (238.42 mg, 1.09 mmol) in toluene/water (20:1, 3 mL). The reaction mixture was stirred at 100° C. for 18 h, filtered over Celite®, washed with ethyl acetate and concentrated under reduced pressure. Purification of the residue by preparative HPLC afforded, after evaporation of the solvents, 22 mg (90% purity, 21% yield) of 6-chloro-N-[2-(4-cyclopropyl-2-methyl-phenyl)-2,2-difluoro-ethyl]-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxamide as colourless oil.

Preparation Example 6: Preparation of 3-(3-cyclobutylphenoxy)-N-[2-(2,4-dimethylphenyl)-2,2-difluoro-ethyl]-6-methyl-pyridazine-4-carboxamide (Compound I.564)

Under argon, a solution of $NiCl_2$.glyme (0.23 mg, 0.001 mmol) and 4,4'-di-tert-butyl-2,2'-bipyridine (0.28 mg, 0.001 mmol) in dioxane (0.5 mL) was added to a mixture 3-(3-bromophenoxy)-N-[2-(2,4-dimethylphenyl)-2,2-difluoro-ethyl]-6-methyl-pyridazine-4-carboxamide (100 mg, 0.21 mmol), bromocyclobutane (57 mg, 0.42 mmol), tris(trimethylsilyl)silane (52 mg, 0.21 mmol), sodium carbonate (44 mg, 0.42 mmol) and $[Ir(dF(CF_3)ppy)_2(dtbbpy)]PF_6$ (2.3 mg, 0.002 mmol, CAS number 870987-63-6) dissolved in dioxane (1 mL). The reaction mixture was stirred at room temperature for 18 h under blue light irradiation (Kessyl lamp 40 W), then filtered over Celite® and concentrated under reduced pressure. Purification of the residue by preparative HPLC afforded, after evaporation of the solvents, 14 mg (85% purity, 12% yield) of 3-(3-cyclobutylphenoxy)-N-[2-(2,4-dimethylphenyl)-2,2-difluoro-ethyl]-6-methyl-pyridazine-4-carboxamide as a colourless oil.

Preparation Example 7: Preparation of 6-acetyl-N-[rac-2-(4-bromo-2-chloro-phenyl)-2-fluoro-ethyl]-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxamide (Compound I.605)

Step 1: Preparation of isopropyl 6-(1-ethoxyvinyl)-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxylate

In a microwave vial, isopropyl 6-chloro-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxylate (2.7 g, 7.5 mmol), tributyl(1-ethoxyvinyl)stannane (3.38 g, 9.35 mmol) and bis(triphenylphosphine)palladium dichloride (527 mg, 0.75 mmol) were dissolved under argon in DMF (10 mL). The tube was sealed and the reaction mixture was heated in the microwave at 120° C. for 20 min. The reaction mixture was diluted with water and extracted with ethyl acetate (2×50 mL). The organic extracts were washed with water and brine, dried over magnesium sulfate, filtered and concentrated under reduced pressure. Purification of the residue by column chromatography on silica gel (gradient heptane/EtOAc) afforded, after evaporation of the solvents, 2.2 g (95% purity, 70% yield) of isopropyl 6-(1-ethoxyvinyl)-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxylate as a solid.

Step 2: Preparation of isopropyl 6-acetyl-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxylate (Compound 1.075)

To a solution of isopropyl 6-(1-ethoxyvinyl)-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxylate (1.9 g, 4.9 mmol) in THE (20 mL) was added at room temperature a 2M aqueous HCl (7 mL, 14 mmol) solution. The reaction was stirred for 30 min then it was diluted with water and extracted with ethyl acetate (2×50 mL). The organic extracts were washed with water and brine, dried over magnesium sulfate, filtered and concentrated under reduced pressure. Purification of the residue by column chromatography on silica gel (gradient heptane/EtOAc) afforded, after evaporation of the solvents, 1.67 g (100% purity, 93% yield) of isopropyl 6-acetyl-3-[3-(trifluoromethyl)phenoxy] pyridazine-4-carboxylate as a oil.

Step 3: Preparation of 6-acetyl-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxylic Acid (Compound 1.034)

To a solution of isopropyl 6-acetyl-3-[3-(trifluoromethyl) phenoxy]pyridazine-4-carboxylate (600 mg, 1.63 mmol) in THE/water 9:1 (5.5 mL) cooled at 0° C. was added lithium hydroxide (80 mg, 3.2 mmol). The reaction was stirred for 1 h at room temperature then it was diluted with water. The aqueous phase was acidified with 1M aqueous HCl solution and extracted with ethyl acetate (2×50 mL). The organic extracts were dried over magnesium sulfate, filtered and concentrated under reduced pressure. Evaporation of the solvents afforded 540 mg (90% purity, 91% yield) of 6-acetyl-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxylic acid as a solid.

Step 4: Preparation of 6-acetyl-N-[rac-2-(4-bromo-2-chloro-phenyl)-2-fluoro-ethyl]-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxamide

In a microwave vial, 6-acetyl-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxylic acid (350 mg, 1.1 mmol), triethylamine (0.6 mL, 4 mmol), propylphosphonic anhydride (2.05 g, 3.22 mmol, 50% in THF) and rac-2-(4-bromo-2-chloro-phenyl)-2-fluoro-ethanamine.hydrochloride (465 mg, 1.61 mmol) were dissolved in THE (7 mL). The tube was sealed and the reaction mixture was heated in the microwave at 130° C. for 15 min. The reaction mixture was diluted with water and extracted with ethyl acetate (2×50 mL). The organic extracts were washed with a saturated aqueous sodium bicarbonate solution and brine, dried over magnesium sulfate, filtered and concentrated under reduced pressure. Purification of the residue by column chromatography on silica gel (gradient heptane/EtOAc) afforded, after evaporation of the solvents, 336 mg (92% purity, 51% yield) of 6-acetyl-N-[rac-2-(4-bromo-2-chloro-phenyl)-2-fluoro-ethyl]-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxamide as a solid.

Preparation Example 8: Preparation of N-[2-(2,4-dimethylphenyl)-2,2-difluoro-ethyl]-6-iodo-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxamide (Compound I.461)

Step 1: Preparation of isopropyl 6-iodo-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxylate (Compound I.066)

Under argon, sodium iodide (10.4 g, 69.3 mmol) was added at room temperature to a solution of isopropyl 6-chloro-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxylate (10.0 g, 27.7 mmol) in hydriodic acid (30 mL, 57% in water). AcCN (20 mL) was added and the mixture was stirred at 40° C. for 4 h. The reaction was stopped by addition of 1M aqueous NaOH solution, the pH was adjusted to 3-4 and the reaction mixture was extracted with ethyl acetate (3×200 mL). The organic extracts were washed with water and brine, dried over magnesium sulfate, filtered and concentrated under reduced pressure. Purification of the residue by column chromatography on silica gel (gradient heptane/EtOAc) afforded, after evaporation of the solvents, 4.3 g (86% purity, 30% yield) of isopropyl 6-iodo-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxylate as a solid.

Step 2: Preparation of 6-iodo-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxylic Acid

To a solution of isopropyl 6-iodo-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxylate (800 mg, 1.77 mmol) in THE/water 9:1 (44 mL) cooled at 0° C. was added lithium hydroxide (51 mg, 2.12 mmol). The reaction was stirred for 30 min at 0° C. then it was diluted with water. The aqueous phase was acidified with 1M aqueous HCl solution and extracted with ethyl acetate (2×100 mL). The organic extracts were dried over magnesium sulfate, filtered and concentrated under reduced pressure. Evaporation of the solvents afforded 657 mg (100% purity, 90% yield) of 6-iodo-3-[3-(trifluoro-methyl)phenoxy]pyridazine-4-carboxylic acid was obtained as a solid.

Step 3: Preparation of N-[2-(2,4-dimethylphenyl)-2,2-difluoro-ethyl]-6-iodo-3-[3-(trifluoro-methyl)phenoxy]pyridazine-4-carboxamide

In a microwave vial, 6-iodo-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxylic acid (657 mg, 1.6 mmol), triethylamine (0.9 mL, 6.4 mmol), propylphosphonic anhydride (3.05 g, 4.81 mmol, 50% in THF) and 2-(2,4-dimethylphenyl)-2,2-difluoro-ethanamine were dissolved in THE (8 mL). The tube was sealed and the reaction mixture was heated in the microwave at 130° C. for 15 min. The reaction mixture was diluted with water and extracted with ethyl acetate (2×100 mL). The organic extracts were washed with brine, dried over magnesium sulfate, filtered and concentrated under reduced pressure. Purification of the residue by column chromatography on silica gel (gradient heptane/EtOAc) afforded, after evaporation of the solvents, 621 mg (97% purity, 60% yield) of N-[2-(2,4-dimethylphenyl)-2,2-difluoro-ethyl]-6-iodo-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxamide as a solid.

Preparation Example 9: Preparation of N-[2-(4-bromo-2-chloro-phenyl)-2,2-difluoro-ethyl]-6-chloro-5-(2-methoxyethyl)-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxamide (Compound I.070)

Step 1: Preparation of methyl 6-chloro-5-iodo-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxylate (Compound 1.052)

Under argon, a solution of TMPZnCl.LiCl (1.22 mL, 0.66 mL, 17% in THF, CAS number 109-99-9) was added to methyl 6-chloro-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxylate (200 mg, 0.6 mmol) in THE (1.2 mL). After stirring 1 h at room temperature, NIS (203 mg, 0.90 mmol) was added. The reaction mixture was stirred 3 h at room temperature, then it was diluted with a saturated sodium thiosulfate solution and extracted with ethyl acetate (2×50 mL). The organic extracts were washed with brine, dried over magnesium sulfate, filtered and concentrated under reduced pressure. Purification of the residue by column chromatography on silica gel (gradient heptane/EtOAc) afforded, after evaporation of the solvents, 191 mg (97% purity, 67% yield) of methyl 6-chloro-5-iodo-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxylate as a yellow solid.

Step 2: Preparation of methyl 6-chloro-3-[3-(trifluoromethyl)phenoxy]-5-vinyl-pyridazine-4-carboxylate (Compound 1.069)

Under argon, in a microwave vial 6-chloro-5-iodo-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxylate (500 mg, 1.1 mmol), potassium vinyltrifluoroborate (146 mg, 1.1 mmol), potassium phosphate (463 mg, 2.18 mmol) and [1,1'-Bis(diphenylphosphino)ferrocene]dichloropalladium (II) (179 mg, 0.22 mmol) were dissolved in DME/water 2:1 (10 mL). The tube was sealed and the reaction mixture was heated in the microwave at 110° C. for 30 min. The reaction mixture was diluted with a saturated ammonium chloride solution and extracted with ethyl acetate (2×50 mL). The organic extracts were washed with brine, dried over magnesium sulfate, filtered and concentrated under reduced

pressure. Purification of the residue by column chromatography on silica gel (gradient heptane/EtOAc) afforded, after evaporation of the solvents, 255 mg (98% purity, 64% yield) of methyl 6-chloro-3-[3-(trifluoromethyl)phenoxy]-5-vinyl-pyridazine-4-carboxylate as a solid.

Step 3: Preparation of methyl 6-chloro-5-(2-methoxyethyl)-3-[3-(trifluoromethyl)phenoxy] pyridazine-4-carboxylate

Sodium methoxide (93 mg, 1.71 mmol) was added to a solution of methyl 6-chloro-3-[3-(trifluoromethyl)phenoxy]-5-vinyl-pyridazine-4-carboxylate (880 mg, 2.46 mmol) in methanol (15 mL). The reaction mixture was stirred for 1 h at room temperature. The reaction mixture was diluted with a saturated aqueous sodium bicarbonate solution and extracted with ethyl acetate (2×100 mL). The organic extracts were washed with brine, dried over magnesium sulfate, filtered and concentrated under reduced pressure. Purification of the residue by column chromatography on silica gel (gradient heptane/EtOAc) afforded, after evaporation of the solvents, 223 mg (93% purity, 22% yield) of methyl 6-chloro-5-(2-methoxyethyl)-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxylate as an oil.

Step 4: Preparation of 6-chloro-5-(2-methoxyethyl)-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxylic acid (Compound 1.026)

To a solution of methyl 6-chloro-5-(2-methoxyethyl)-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxylate (272 mg, 0.67 mmol) in THE/water 9:1 (4 mL) was added lithium hydroxide (33 mg, 1.4 mmol). The reaction was stirred for 8 h at room temperature then it was diluted with water. The aqueous phase was acidified with 1M aqueous HCl solution and extracted with ethyl acetate (2×50 mL). The organic extracts were dried over magnesium sulfate, filtered and concentrated under reduced pressure. Evaporation of the solvents afforded 210 mg (100% purity, 80% yield) of 6-chloro-5-(2-methoxyethyl)-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxylic acid as a solid.

Step 5: Preparation of N-[2-(4-bromo-2-chloro-phenyl)-2,2-difluoro-ethyl]-6-chloro-5-(2-methoxy-ethyl)-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxamide

Under argon, to a solution of 6-chloro-5-(2-methoxyethyl)-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxylic acid (50 mg, 0.133 mmol) and HATU (100 mg, 0.26 mmol) in DMF (2 mL) were successively added 2-(4-bromo-2-chloro-phenyl)-2,2-difluoro-ethanamine hydrochloride (53 mg, 0.17 mmol) and N,N-diisopropylethylamine (0.12 mL, 0.66 mmol). The reaction mixture was stirred for 3 h at room temperature then it was diluted with water and extracted with ethyl acetate (2×50 mL). The organic extracts were dried over magnesium sulfate, filtered and concentrated under reduced pressure. Purification of the residue by preparative HPLC afforded, after evaporation of the solvents, 34 mg (100% purity, 40% yield) of N-[2-(4-bromo-2-chloro-phenyl)-2,2-difluoro-ethyl]-6-chloro-5-(2-methoxyethyl)-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxamide as a colourless oil.

Preparation Example 10: Preparation of 6-chloro-N-[2-(2,4-dimethylphenyl)-2,2-difluoro-ethyl]-5-iodo-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxamide (Compound I.020)

Under argon, a solution of TMPZnCl.LiCl (12.35 mmol, 22.7 mL, 17% in THF, CAS number 109-99-9) was added to 6-chloro-N-[2-(2,4-dimethylphenyl)-2,2-difluoro-ethyl]-3-[3-(trifluoro-methyl)phenoxy]pyridazine-4-carboxamide (3.0 g, 6.2 mmol) in THE (30 mL). After stirring 1 h at room temperature, NIS (3.4 g, 15.4 mmol) was added portionwise. The reaction mixture was stirred 2 h at room temperature, then it was diluted with a saturated sodium thiosulfate solution and saturated sodium bicarbonate solution, and extracted with ethyl acetate (2×250 mL). The organic extracts were washed with brine, dried over magnesium sulfate, filtered and concentrated under reduced pressure. Purification of the residue by column chromatography on silica gel (gradient heptane/EtOAc) afforded, after evaporation of the solvents, 3.05 g (100% purity, 80% yield) of 6-chloro-N-[2-(2,4-dimethylphenyl)-2,2-difluoro-ethyl]-5-iodo-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxamide as a solid.

Preparation Example 11: Preparation of 6-chloro-N-[2-(2,4-dimethylphenyl)-2,2-difluoro-ethyl]-5-(oxetan-3-ylamino)-3-[3-(trifluoromethyl)phenoxy] pyridazine-4-carboxamide (Compound I.408)

Under argon, oxetan-3-amine (14.3 mg, 0.20 mmol) and N,N-diisopropylethylamine (0.034 mL, 0.20 mmol) were added at room temperature to a solution of 6-chloro-N-[2-(2,4-dimethylphenyl)-2,2-difluoro-ethyl]-5-iodo-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxamide (100 mg, 0.16 mmol) in AcCN (3 mL). The reaction mixture was stirred at 60° C. for 18 h, then it was diluted with water and extracted with ethyl acetate (2×50 mL). The organic extracts were washed with brine, dried over magnesium sulfate, filtered and concentrated under reduced pressure. Purification of the residue by column chromatography on silica gel (gradient heptane/EtOAc) afforded, after evaporation of the solvents, 79 mg (90% purity, 78% yield) of 6-chloro-N-[2-(2,4-dimethylphenyl)-2,2-difluoro-ethyl]-5-(oxetan-3-ylamino)-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxamide as a solid.

Preparation Example 12: Preparation of 6-chloro-N-[2-(4-chlorophenyl)-2,2-difluoro-ethyl]-5-ethyl-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxamide (Compound I.254)

Under argon, a solution of EtMgBr (2.26 mL, 2.03 mmol, 0.9 M in THF) was added at −20° C. to a solution of 6-chloro-N-[2-(4-chlorophenyl)-2,2-difluoro-ethyl]-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxamide (200.0 mg, 0.40 mmol) in THF (5 mL). The reaction mixture was stirred 30 min at −20° C., then MeOH (1 mL) and NBS (86.7 mg, 0.49 mmol) were added. The reaction mixture was further stirred at room temperature for 2 h, then it was diluted with a saturated ammonium chloride solution and extracted with ethyl acetate (2×50 mL). The organic extracts were washed with water, dried over magnesium sulfate, filtered and concentrated under reduced pressure. Purification of the residue by column chromatography on silica gel (gradient heptane/EtOAc) afforded, after evaporation of the solvents, 94 mg (100% purity, 45% yield) of 6-chloro-N-[2-(4-chlorophenyl)-2,2-difluoro-ethyl]-5-ethyl-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxamide as a solid.

Preparation Example 13: preparation 6-chloro-N-[2-(2,4-dimethylphenyl)-2,2-difluoro-ethyl]-5-(3-pyridyl)-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxamide (Compound I.550)

Under argon, a solution of TMPZnCl.LiCl (0.86 mmol, 1.6 mL, 17% in THF) was added to 6-chloro-N-[2-(2,4-

dimethylphenyl)-2,2-difluoro-ethyl]-3-[3-(trifluoromethyl) phenoxy]pyridazine-4-carboxamide (200 mg, 0.41 mmol) in THF (2 mL). After stirring 1 h at room temperature, 3-bromopyridine (0.048 mL, 0.49 mmol), palladium acetate (71 mg, 0.123 mmol), and trifurylphosphine (57.3 mg, 0.24 mmol) were added. The reaction mixture was stirred at 60° C. for 4 h, then diluted with a saturated ammonium chloride solution and a saturated sodium thiosulfate solution, and extracted with ethyl acetate (2×50 mL). The organic extracts were washed with brine, dried over magnesium sulfate, filtered and concentrated under reduced pressure. Purification of the residue by column chromatography on silica gel (gradient heptane/EtOAc) afforded, after evaporation of the solvents, 227 mg (96% purity, 94% yield) of 6-chloro-N-[2-(2,4-dimethylphenyl)-2,2-difluoro-ethyl]-5-(3-pyridyl)-3-[3-(trifluoro-methyl)phenoxy]pyridazine-4-carboxamide as a solid.

Preparation Example 14: Preparation of N-[2-(2,4-dimethylphenyl)-2,2-difluoro-ethyl]-6-methylsulfanyl-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxamide (Compound I.767)

Step 1: Preparation of ethyl 6-methylsulfanyl-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxylate

Under argon, sodium methanethiolate (85 mg, 1.15 mmol) was added to a solution of ethyl 6-chloro-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxylate (400 mg, 1.15 mmol) in DMF (3 mL). The reaction mixture was stirred 2 h at room temperature, then diluted with saturated ammonium chloride solution and extracted with ethyl acetate (2×100 mL). The organic extracts were washed with water and brine, dried over magnesium sulfate, filtered and concentrated under reduced pressure. Purification of the residue by preparative HPLC afforded, after evaporation of the solvents, 43 mg (100% purity, 10% yield) of ethyl 6-methylsulfanyl-3-[3-(trifluoromethyl)phenoxy] pyridazine-4-carboxylate as an oil.

Step 2: Preparation of 6-methylsulfanyl-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxylic acid (Compound 1.004)

To a solution of ethyl 6-methylsulfanyl-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxylate (71 mg, 0.20 mmol) in THE/water 2:1 (1.5 mL) was added lithium hydroxide (6 mg, 0.24 mmol). The reaction was stirred for 1 h at room temperature then it was diluted with water. The aqueous phase was acidified with 1M aqueous HCl solution and extracted with ethyl acetate (2×50 mL). The organic extracts were dried over magnesium sulfate, filtered and concentrated under reduced pressure. Evaporation of the solvents afforded 34 mg (100% purity, 51% yield) of 6-methylsulfanyl-3-[3-(trifluoromethyl)phenoxy] pyridazine-4-carboxylic acid as a white solid.

Step 3: Preparation of N-[2-(2,4-dimethylphenyl)-2,2-difluoro-ethyl]-6-methylsulfanyl-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxamide

In a microwave vial, 6-methylsulfanyl-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxylic acid (34 mg, 0.10 mmol), triethylamine (0.06 mL, 0.4 mmol), propylphosphonic anhydride (195 mg, 0.30 mmol, 50% in THF) and 2-(2,4-dimethylphenyl)-2,2-difluoro-ethanamine hydrochloride (34 mg; 0.15 mmol) were dissolved in THE (0.4 mL). The tube was sealed and the reaction mixture was stirred at room temperature for 1 h. The reaction mixture was diluted with water and extracted with ethyl acetate (2×50 mL). The organic extracts was dried over magnesium sulfate, filtered and concentrated under reduced pressure. After evaporation of the solvents, 21 mg (100% purity, 41% yield) of N-[2-(2,4-dimethylphenyl)-2,2-difluoro-ethyl]-6-methylsulfanyl-3-[3-(trifluoromethyl)phenoxy]pyridazine-4-carboxamide as a yellow solid.

Preparation Example 15: Preparation of 6-chloro-3-(3-chlorophenoxy)-N-[2-(2,4-dimethylphenyl)-2,2-difluoro-ethyl]-5-methyl-pyridazine-4-carboxamide (Compound I.790)

Step 1: Preparation of methyl 6-chloro-3-(3-chlorophenoxy)-5-methyl-pyridazine-4-carboxylate (Compound 1.033)

To a solution of methyl 6-chloro-3-(3-chlorophenoxy) pyridazine-4-carboxylate (24 g, 80 mmol) in dimethyl sulfoxide (75 mL) was added at room temperature nitromethane (24 g, 400 mmol). After 30 min, triethylamine (16.7 mL, 120 mmol) was added. The reaction mixture was stirred at room temperature for 3 days then it was diluted with water. The aqueous phase was extracted with ethyl acetate (500 mL) and the organic extract was dried over magnesium sulfate, filtered and concentrated under reduced pressure. Purification of the residue by column chromatography on silica gel (gradient heptane/EtOAc) afforded, after evaporation of the solvents, 18.9 g (96% purity, 72% yield) of methyl 6-chloro-3-(3-chlorophenoxy)-5-methyl-pyridazine-4-carboxylate as a yellow oil.

Step 2: Preparation of 6-chloro-3-(3-chlorophenoxy)-5-methyl-pyridazine-4-carboxylic Acid (Compound 1.002)

To a solution of methyl 6-chloro-3-(3-chlorophenoxy)-5-methyl-pyridazine-4-carboxylate (8 g, 25 mmol) in THE/water 2:1 (60 mL) was added at 0° C. lithium hydroxide (2.3 g, 31 mmol). The reaction was stirred for 4 h at room temperature then it was diluted with water. The aqueous phase was extracted with diethyl ether (2×60 mL) then acidified with 1M aqueous HCl solution. The aqueous phase was cooled to 0° C., the white precipitate was filtered off, dried under reduced pressure to afford 7.2 g (97% purity, 91% yield) of 6-chloro-3-(3-chlorophenoxy)-5-methyl-pyridazine-4-carboxylic acid as a white solid.

Step 3: Preparation of 6-chloro-3-(3-chlorophenoxy)-N-[2-(2,4-dimethylphenyl)-2,2-difluoro-ethyl]-5-methyl-pyridazine-4-carboxamide

Under argon, to a solution of 6-chloro-3-(3-chlorophenoxy)-5-methyl-pyridazine-4-carboxylic acid (200 mg, 0.67 mmol) and HATU (0.33 g, 0.87 mmol) cooled at 0° C. in DMF (3 mL) were successively added 2-(2,4-dimethylphenyl)-2,2-difluoro-ethanamine hydrochloride (185 mg, 0.84 mmol) and N,N-diisopropylethylamine (0.35 mL, 2.0 mmol). The reaction mixture was stirred for 18 h at room temperature then it was diluted with water and extracted with ethyl acetate (2×200 mL). The organic extracts were dried over magnesium sulfate, filtered and concentrated under reduced pressure. Purification of the residue by column chromatography on silica gel (gradient heptane/EtOAc) afforded, after evaporation of the solvents, 200 mg (97%

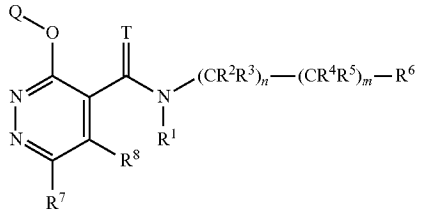
purity, 62% yield) of 6-chloro-3-(3-chlorophenoxy)-N-[2-(2,4-dimethylphenyl)-2,2-difluoro-ethyl]-5-methyl-pyridazine-4-carboxamide as a white solid.

The compounds as shown in table 1 below were prepared in analogy with the examples provided above. ^{1}H-NMR data of these compounds is shown in table 2.

TABLE 1

Compounds according to formula (I)

(I)

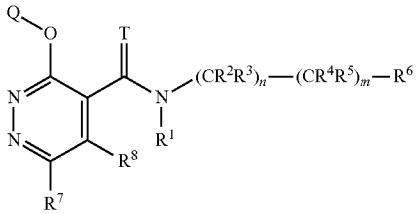


Ex No	R^1	R^7	R^8	T	Q	$(CR^2R^3)_n—(CR^4R^5)_m—R^6$	LogP
I-001	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dichlorophenyl)ethyl	4.46[a]
I-002	H	H	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.90[a]
I-003	H	Cl	methyl	O	3-(trifluoromethyl)phenyl	2-(2-methyl-1,3-benzoxazol-4-yl)ethyl	3.39[a]
I-004	H	3-fluoropyridin-4-yl	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.4[a]1;4.41[b]
I-005	H	Cl	methyl	O	3-(trifluoromethyl)phenyl	rac-1-(3,4-dimethylphenyl)ethyl	4.15[a]
I-006	H	Cl	H	O	naphthalen-2-yl	2-(2,4-dichlorophenyl)-2,2-difluoroethyl	4.78[a]
I-007	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(2-chloro-4-methoxyphenyI)-2,2-difluoroethyl	4.00[a]
I-008	H	Cl	H	O	3-(trifluoromethyl)phenyl	isoquinolin-7-ylnnethyl	1.87[a]
I-009	H	methyl	1H-pyrazol-1-yl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.91[a];3.81[b]
I-010	H	Cl	I	O	3-(difluoromethyl)phenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	3.94[a]
I-011	H	3-nnethoxypyridin-4-yl	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.94[a];4.21[b]
I-012	H	methyl	2-nnethoxyethyl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.11[a]
I-013	H	methyl	H	O	3-(trifluoromethyl)phenyl	2-(4-chlorophenyl)propan-2-yl	4.01[a]
I-014	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.46[a]
I-015	H	Cl	cyclopropylamino	O	3-(trifluoromethyl)phenyl	2-(2,4-dichlorophenyl)-2,2-difluoroethyl	4.25[a]
(*) I-016	H	cyclopropyl	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dichlorophenyl)-2-fluoroethyl	4.69[a]
I-017	H	methyl	H	O	3-(trifluoromethyl)phenyl	2-(4-methoxyphenyl)propan-2-yl	3.51[a]
I-018	H	methyl	H	O	3-(trifluoromethyl)phenyl	2-(2-chloro-4-cyclohexylphenyl)-2,2-difluoroethyl	5.44[a]
I-019	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(3,5-dimethylphenyl)-2,2-difluoroethyl	4.46[a]
I-020	H	Cl	I	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.61[a]
I-021	H	CF3	H	O	3-(trifluoromethyl)phenyl	2-(4-bromo-2-chlorophenyl)-2,2-difluoroethyl	4.90[a]
I-022	H	3-methylpyridin-4-yl	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.49[a];4.27[b]
I-023	H	Cl	H	O	3-(trifluoromethyl)phenyl	rac1-naphthalen-2-ylethyl	4.28[a]
(*) I-024	H	cyclopropyl	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dichlorophenyl)-2-fluoroethyl	4.69[a]
I-025	H	H	cyclopropylamino	O	3-(trifluoromethyl)phenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	4.39[a];4.20[b]
I-026	H	methyl	H	O	3-(trifluoromethyl)phenyl	2-(4-fluorophenyl)propan-2-yl	3.62[a]
I-027	H	methyl	methyl	O	3-(trifluoromethyl)phenyl	2-(2,4-dichlorophenyl)ethyl	3.73[a]
I-028	H	methyl	H	O	3-(trifluoromethyl)phenyl	2-(2-chloro-4-cyclobutylphenyl)-2,2-difluoroethyl	4.83[a]

TABLE 1-continued

Compounds according to formula (I)

(I)

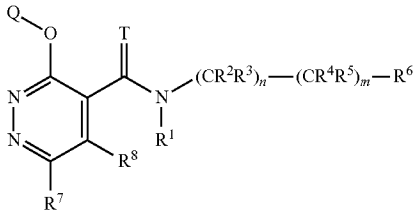


Ex No	R^1	R^7	R^8	T	Q	$(CR^2R^3)_n—(CR^4R^5)_m—R^6$	LogP
I-029	H	Cl	methyl	O	3-cyclopropylphenyl	2-(2,4-dichlorophenyl)ethyl	4.51[a]
I-030	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	4.27[a]
I-031	H	methyl	H	O	3-(trifluoromethyl)phenyl	[5-chloro-7-(trifluoromethyl)imidazo[1,2-a]pyridin-2-yl]methyl	3.17[a]
I-032	H	Cl	H	O	5-(trifluoromethyl)pyridin-3-yl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	3.73[a];3.89[b]
I-033	H	Cl	I	O	3-(trifluoromethyl)phenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	4.46[a]
I-034	H	methyl	H	O	3-(trifluoromethyl)phenyl	2-[3-(trifluoromethyl)phenyl]propan-2-yl	3.96[a]
I-035	H	methyl	H	O	3-(trifluoromethyl)phenyl	2-(2-chloro-4-cyclopentylphenyl)-2,2-difluoroethyl	5.08[a]
I-036	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(4-nnethoxyphenyl)ethyl	3.61[a]
I-037	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-[3-(trifluoromethyl)pyridin-2-yl]ethyl	3.65[a]
I-038	H	CF3	H	O	3-(trifluoromethyl)phenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	4.49[a]
I-039	H	methyl	CF3	O	3-(trifluoromethyl)phenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	4.29[a]
I-040	H	Cl	2-methoxyethyl	O	3-(trifluoromethyl)phenyl	2-(2,4-dichlorophenyl)-2,2-difluoroethyl	4.80[a]
I-041	H	methyl	ethyl	O	3-(trifluoromethyl)phenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	3.87[a]
I-042	H	Cl	H	O	5-(trifluoromethyl)pyridin-3-yl	2-(2,4-dichlorophenyl)-2,2-difluoroethyl	4.06[a];4.08[b]
I-043	H	H	cyclopropylamino	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.73[a];4.88[b]
I-044	H	methyl	H	O	3-(trifluoromethyl)phenyl	2-(4-methylphenyl)propan-2-yl	3.96[a]
I-045	H	methyl	ethyl	O	3-(trifluoromethyl)phenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	4.15[a]
I-046	H	methyl	H	O	3-(trifluoromethyl)phenyl	2-[2-chloro-4-[rac-oxolan-3-yl]phenyl]-2,2-difluoroethyl	3.48[a]
I-047	H	Cl	methyl	O	3-cyclopropyl-2-fluorophenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	4.61[a]
I-048	H	methyl	H	O	3-(trifluoromethyl)phenyl	rac-6-bromo-1,2,3,4-tetrahydronaphthalen-1-yl	4.32[a];4.25[b]
I-049	H	methyl	H	O	3-(trifluoromethyl)phenyl	(2,4-dimethylphenyl)nnethoxy	3.55[a]
I-050	H	methyl	methyl	O	3-(trifluoromethyl)phenyl	rac-2-(4-chlorophenyl)-2-fluoroethyl	3.46[a]
I-051	H	Cl	H	O	6-(trifluoromethyl)pyridin-2-yl	2-(4-bromo-2-chlorophenyl)-2,2-difluoroethyl	4.51[a]
I-052	H	pyrrolidin-1-yl	H	O	3-(trifluoromethyl)phenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	3.81[a]
I-053	H	methyl	ethyl	O	3-(trifluoromethyl)phenyl	rac-2-(2-chloro-4-methylphenyl)-2-fluoroethyl	3.99[a]

TABLE 1-continued

Compounds according to formula (I)

(I)

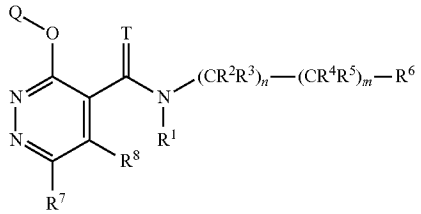


Ex No	R^1	R^7	R^8	T	Q	$(CR^2R^3)_n—(CR^4R^5)_m—R^6$	LogP
I-054	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(4-bronno-2-chlorophenyl)-2,2-difluoroethyl	4.72[a]
I-055	H	Cl	H	O	3-hydroxyphenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.29[a]
I-056	H	Cl	vinyl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)ethyl	4.46[a]
I-057	H	CF3	H	O	3-(trifluoromethyl)phenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	4.90[a]
I-058	H	H	H	O	3-(trifluoromethyl)phenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	3.85[a]
I-059	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(2,6-dichloropyridin-3-yl)-2,2-difluoroethyl	
I-060	H	H	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethoxyphenyl)ethyl	3.21[a]
I-061	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-[3-(trifluoromethyl)phenyl]propan-2-yl	4.41[a]
I-062	H	Cl	methyl	O	3-cyclopropylphenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	4.46[a]
I-063	H	Cl	methyl	O	3-cyclopropylphenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.44[a]
I-064	H	Cl	(2-methyl-2-trimethylsilyloxyprop-yl)amino	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	6.32[a]
I-065	H	Cl	H	O	3-[rac-2, 2-difluorocyclopropyl]phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.39[a]
I-066	H	methoxy	H	O	3-(trifluoromethyl)phenyl	1-(4-chlorophenyl)ethyl	4.03[a]
I-067	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(2,4-difluorophenyl)-2,2-difluoroethyl	3.75[a]
I-068	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-[5-(trifluoromethyl)pyridin-2-yl]ethyl	3.53[a]
I-069	H	H	H	O	3-(trifluoromethyl)phenyl	rac-2-chloro-4,5,6,7-tetrahydro-1-benzothiophen-7-yl	3.96[a]
I-070	H	Cl	2-methoxyethyl	O	3-(trifluoromethyl)phenyl	2-(4-bromo-2-chlorophenyl)-2,2-difluoroethyl	4.77[a]
I-071	H	H	H	O	3-(trifluoromethyl)phenyl	2-(5-chloropyridin-2-yl)-2,2-difluoroethyl	3.13[a]
I-072	H	Cl	nmethylsulfinyl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.75[a]
I-073	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(3,5-dichloropyridin-2-yl)-2,2-difluoroethyl	
I-074	H	methyl	methyl	O	3-(trifluoromethyl)phenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	3.90[a]
I-075	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dichlorophenyl)propyl	4.68[a]
I-076	H	Cl	pyridin-4-yl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.92[a]

TABLE 1-continued

Compounds according to formula (I)

(I)

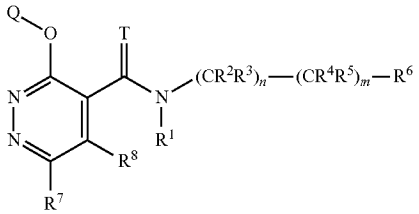


Ex No	R^1	R^7	R^8	T	Q	$(CR^2R^3)_n—(CR^4R^5)_m—R^6$	LogP
I-077	H	Cl	[acetyl(methyl)amino] methyl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)ethyl	3.65[a]
I-078	H	Cl	nmethylsulfonyl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.03[a]
I-079	H	Cl	H	O	3-(trifluoromethyl)phenyl	[1-(2,4-dichlorophenyl)cyclopropyl]methyl	4.85[a]
I-080	H	Cl	H	O	3-methylsulfanylphenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	4.41[a]
I-081	H	Cl	vinyl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.56[a]
I-082	H	CF3	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.74[a]
I-083	H	Cl	1	O	3-(trifluoromethyl)phenyl	2-(4-chlorophenyI)-2,2-difluoroethyl	4.34[a]
I-084	H	methyl	H	O	3-(trifluoromethyl)phenyl	rac-1-(1-methyl-1H-indol-3-yl)ethyl	3.55[a]
I-085	H	Cl	methyl	O	3-(trifluoromethyl)phenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	4.44[a]
I-086	H	Cl	H	O	3-[rac-2, 2-difluorocyclopropyl]phenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	4.44[a]
I-087	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-[2-chloro-4-(2,2,2-trifluoroethylthio)phenyl]-2,2-difluoroethyl	4.45[a]
I-088	H	CN	H	O	3-(trifluoromethyl)phenyl	1-[3-(trifluoromethyl)phenyl]ethyl	4.08[a]
I-089	H	cyclopropylamino	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.69[a]
I-090	H	I	H	O	3-(trifluoromethyl)phenyl	2-(4-bromo-2-chlorophenyl)-2,2-difluoroethyl	4.85[a]
(*) I-091	H	methyl	H	O	3-(trifluoromethyl)phenyl	1-[4-(trifluoromethyl)phenyl]ethyl	3.83[a]
I-092	H	Cl	methyl	O	3-(trifluoromethyl)phenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	4.53[a]
I-093	H	Cl	2-oxa-6-azaspiro[3.3]heptan-6-yl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.89[a]
I-094	H	methyl	H	S	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)ethyl	4.69[a]
I-095	H	methyl	H	O	3-(trifluoromethyl)phenyl	[4-(trifluoronnethyl)phenyl]methoxy	3.44[a]
I-096	H	Cl	1H-pyrazol-1-yl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.34[a]
I-097	H	Cl	H	O	3-(trifluoromethyl)phenyl	rac-5-bromoindan-2-yl	4.37[a];4.31[b]
(*) I-098	H	methyl	H	O	3-(trifluoromethyl)phenyl	1-[4-(trifluoromethyl)phenyl]ethyl	3.83[a]
I-099	H	Cl	H	O	3-(trifluoromethyl)phenyl	2,2-difluoro-2-(5-methylpyridin-2-yl)ethyl	3.46[a]
I-100	H	Cl	OH	O	3-(trifluoromethyl)phenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	4.01[a]
I-101	H	methyl	H	O	3-(d ifluoromethyl)phenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	3.41[a]
I-102	H	methyl	H	O	3-(trifluoromethyl)phenyl	rac-7-chloro-6-fluoro-2,2-dimethylchroman-4-yl	4.41[a]

TABLE 1-continued

Compounds according to formula (I)

(I)

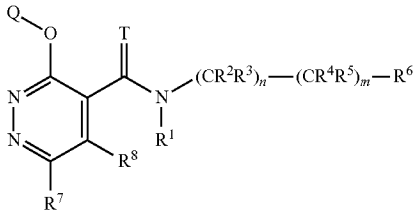


Ex No	R^1	R^7	R^8	T	Q	$(CR^2R^3)_n—(CR^4R^5)_m—R^6$	LogP
I-103	H	Cl	H	O	3-bicyclo[4.2.0]octa-1(6),2,4-trienyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.56[a]
I-104	H	Cl	cyclopropyl	O	3-(trifluoromethyl)phenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	4.37[a]
I-105	H	dimethylamino	H	O	3-(trifluoromethyl)phenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	4.21[a]
I-106	H	Cl	1,3-thiazol-4-yl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.25[a]
I-107	H	methyl	H	O	3-(trifluoromethyl)phenyl	rac-8-methylchroman-4-yl	3.65[a]
I-108	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(5-chloropyridin-2-yl)-2,2-difluoroethyl	3.65[a]
I-109	H	Cl	H	O	3-(trifluoromethyl)phenyl	rac-2-(2,4-dimethylphenyl)cyclopropyl	4.56[a]
I-110	H	Cl	1H-imidazol-1-yl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.62[a]
I-111	H	dimethylamino	H	O	3-(trifluoromethyl)phenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	3.82[a]
I-112	H	methyl	H	O	3-(trifluoromethyl)phenyl	2-[2-chloro-4-(oxan-4-yl)phenyl]-2,2-difluoroethyl	3.71[a]
I-113	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(5-bromo-3-chloropyridin-2-yl)-2,2-difluoroethyl	4.17[a]
I-114	H	Cl	cyclopropyl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.69[a]
I-115	H	Cl	oxetan-3-yloxy	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.21[a]
I-116	H	methyl	H	O	3-(trifluoromethyl)phenyl	rac-3-(4-chlorophenyl)-1-methoxy-1-oxopropan-2-yl	3.73[a]
I-117	H	methyl	H	O	3-(trifluoromethyl)phenyl	rac-1-(5,6,7,8-tetrahydronaphthalen-2-yl)ethyl	4.41[a]
I-118	H	methyl	H	O	3-(trifluoromethyl)phenyl	rac-6-fluorothiochroman-4-yl	3.59[a]
I-119	H	Cl	methoxy	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)ethyl	4.32[a]
I-120	H	Cl	cyclopropyl	O	3-(trifluoromethyl)phenyl	rac-1-(4-methylphenyl)ethyl	4.25[a]
I-121	H	Cl	H	O	4-(trifluoromethyl)pyridin-2-yl	2-(2,4-dichlorophenyl)-2,2-difluoroethyl	
I-122	H	cyclopropyl	H	O	3-(difluoromethyl)phenyl	2-(4-bronno-2-chlorophenyl)-2,2-difluoroethyl	4.32[a]
I-123	H	methyl	H	O	3-(trifluoromethyl)phenyl	2-(4-cyanophenyl)propan-2-yl	3.21[a]
I-124	H	methyl	methyl	O	2-fluoro-3-(trifluoromethyl)phenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	4.01[a]
I-125	H	Cl	H	O	4-fluoro-3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.54[a]
I-126	H	Cl	cyclopropyl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)ethyl	4.51[a]

TABLE 1-continued

Compounds according to formula (I)

(I)

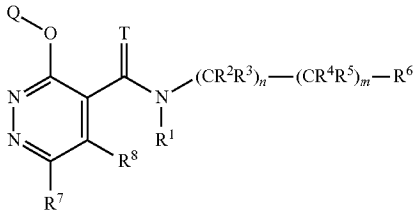


Ex No	R^1	R^7	R^8	T	Q	$(CR^2R^3)_n—(CR^4R^5)_m—R^6$	LogP
I-127	H	Cl	H	O	6-(trifluoromethyl)pyridin-2-yl	2-(4-chlorophenyl)-2,2-difluoroethyl	3.69[a];3.70[b]
I-128	H	methyl	H	O	5-(trifluoromethyl)pyridin-3-yl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	3.4[a]8;3.55[b]
I-129	H	methyl	H	O	3-(trifluoromethyl)phenyl	rac-1-(3-fluoro-4-methoxyphenyl)ethyl	3.21[a]
I-130	H	Cl	4-methyl-1H-pyrazol-1-yl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.54[a]
I-131	H	Cl	vinyl	O	3-(trifluoromethyl)phenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	4.32[a]
I-132	H	Cl	H	O	3-(trifluoromethyl)phenyl	rac-2-(3-chlorophenyl)cyclopropyl	4.03[a]
I-133	H	CN	methyl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.33[a];4.44[b]
I-134	H	methyl	methyl	O	2-fluoro-3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.92[a]
I-135	H	oxetan-3-yl	H	O	3-chlorophenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.69[a]
I-136	H	Cl	2-methoxy-2-methylpropoxy	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.82[a]
I-137	H	Cl	3-(difluoronnethyl)-1H-pyrazol-1-yl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.61[a]
I-138	H	Cl	H	O	3-nnethylphenyl	1-(3-nnethylphenyl)ethyl	3.76[a]
I-139	H	Cl	vinyl	O	3-(trifluoromethyl)phenyl	2-(4-bromo-2-chlorophenyl)ethyl	4.72[a]
I-140	H	Cl	Cl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.67[a]
I-141	H	Cl	H	O	6-(trifluoromethyl)pyridin-2-yl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	4.06[a];4.20[b]
(*) I-142	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	4.56[a];4.49[b]
I-143	H	methyl	H	O	3-(trifluoromethyl)phenyl	rac-6-methoxy-1,2,3,4-tetrahydronaphthalen-1-yl	3.64[a]
I-144	H	Cl	ethyl	O	3-(trifluoromethyl)phenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	4.81[a]
I-145	H	methyl	methyl	O	2-fluoro-3-(trifluoromethyl)phenyl	2-(2,4-dichlorophenyl)ethyl	3.94[a]
I-146	H	Cl	oxetan-3-yl	O	3-chlorophenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.96[a]
(*) I-147	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-chloro-4,5,6,7-tetrahydro-1-benzothiophen-7-yl	4.71[a]
I-148	H	cyclopropyl	cyclopropylamino	O	3-(trifluoromethyl)phenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	3.87[a]
I-149	H	CN	methyl	O	3-(trifluoromethyl)phenyl	2-(2,4-dichlorophenyl)-2,2-difluoroethyl	4.42[a];4.48[b]
I-150	H	methyl	H	O	3-(trifluoromethyl)phenyl	rac-1-(3-bromophenyl)ethyl	3.73[a]

TABLE 1-continued

Compounds according to formula (I)

(I)

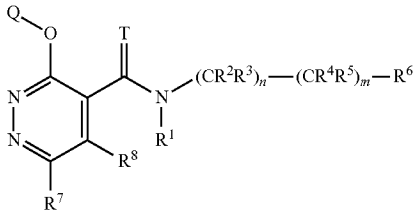


Ex No	R^1	R^7	R^8	T	Q	$(CR^2R^3)_n—(CR^4R^5)_m—R^6$	LogP
I-151	H	ethyl	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.46[a]
I-152	H	methyl	H	O	3-(trifluoromethyl)phenyl	rac-2-(2-chloro-4-prop-1-en-2-ylphenyl)-2-fluoroethyl	4.41[a];4.35[b]
I-153	H	Cl	methoxy	O	3-cyclopropyl-2-fluorophenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.49[a]
I-154	H	Cl	vinyl	O	3-(trifluoromethyl)phenyl	2-(4-bromo-2-chlorophenyl)-2,2-difluoroethyl	4.77[a]
I-155	H	Cl	Cl	O	3-(trifluoromethyl)phenyl	2,2-difluoro-2-(3-nnethylphenyl)ethyl	4.34[a]
I-156	H	Cl	H	O	3-(trifluoromethyl)phenyl	rac-2-(2-chlorophenyl)cyclopropyl	4.13[a]
I-157	H	pyridin-4-yl	cyclopropylamino	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.37[a]
I-158	H	Cl	H	O	3-(difluoromethyl)phenyl	2-(5-chloropyridin-2-yl)-2,2-difluoroethyl	3.32[a]
I-159	H	methyl	H	O	3-(trifluoromethyl)phenyl	rac-1-(6-methoxynaphthalen-2-yl)ethyl	3.83[a]
I-160	H	ethyl	H	O	3-(trifluoromethyl)phenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	4.49[a]
I-161	H	Cl	3-[rac-oxolan-2-yl]-1H-pyrazol-1-yl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.51[a]
I-162	H	Cl	methoxy	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.44[a]
I-163	H	Cl	ethoxy	O	3-(trifluoromethyl)phenyl	2,2-difluoro-2-(3-fluorophenyl)ethyl	4.11[a]
I-164	H	acetyl	H	O	3-(trifluoromethyl)phenyl	2-(4-bromo-2-chlorophenyl)-2 ,2-difluoroethyl	4.54[a]
I-165	H	Cl	H	O	3-bromo-2-fluorophenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	4.46[a]
I-166	H	methyl	H	O	3-(trifluoromethyl)phenyl	rac-1-(3,4-difluorophenyl)ethyl	3.39[a]
I-167 4-yl	H	methyl	H	O	3-(trifluoromethyl)phenyl	rac-6-methyl-3,4-dihydro-1H-isochromen-4-yl	3.31[a]
I-168	H	Cl	methoxy	O	3-(trifluoromethyl)phenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	4.18[a]
I-169	H	Cl	vinyl	O	3-(trifluoromethyl)phenyl	rac-1-(4-methylphenyl)ethyl	4.15[a]
I-170	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(4-cyano-2-methylphenyl)ethyl	3.37[a]
I-171	H	methyl	H	S	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.69[a]
I-172	H	methyl	H	O	3-(difluoromethyl)phenyl	2-(4-bromo-2-chlorophenyl)-2,2-difluoroethyl	3.85[a]
I-173	H	Cl	H	O	5-bromopyridin-3-yl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.78[a]
I-174	H	Cl	ethoxy	O	3-(trifluoromethyl)phenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	4.41[a]
I-175	H	Cl	H	O	3-cyclopropyl-2-fluorophenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	4.80[a]
I-176	H	methyl	H	O	3-(difluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.68[a]

TABLE 1-continued

Compounds according to formula (I)

(I)

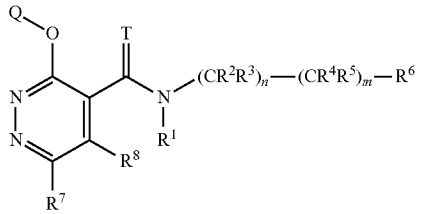


Ex No	R^1	R^7	R^8	T	Q	$(CR^2R^3)_n—(CR^4R^5)_m—R^6$	LogP
I-177	H	Cl	ethoxy	O	3-(trifluoromethyl)phenyl	2,2-difluoro-2-(3-methylphenyl)ethyl	4.34[a]
I-178	H	Cl	H	O	3-(oxetan-3-yl)phenyl	2-(4-bromo-2-chlorophenyl)-2,2-difluoroethyl	3.83[a]
I-179	H	methyl	H	O	3-bromophenyl	2-(4-bromo-2-chlorophenyl)-2,2-difluoroethyl	4.16[a]
I-180	H	cyclopropyl	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.51[a];4.47[b]
I-181	H	Cl	ethoxy	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.68[a]
I-182	H	Cl	H	O	3-(difluoromethyl)phenyl	2-(4-bromophenyl)-2,2-difluoroethyl	3.92[a]
I-183	H	H	methyl	O	3-(trifluoromethyl)phenyl	2-(2,4-dichlorophenyl)-2,2-difluoroethyl	3.78[a]
I-184	H	methyl	H	O	3-(trifluoromethyl)phenyl	rac-1-(1,3-benzodioxol-5-yl)ethyl	3.13[a]
I-185	H	Cl	H	O	3-(oxetan-3-yl)phenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	3.64[a]
I-186	H	Cl	[rac-1-methoxy-propan-2-yl]oxy	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.76[a]
I-187	H	Cl	H	O	3-cyclopropyl-2-fluorophenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.72[a]
I-188	H	Cl	methyl	O	3-(trifluoromethyl)phenyl	2-(7-methoxy-2-methyl-1-benzofuran-4-yl)ethyl	3.90[a]
I-189	H	Cl	oxetan-3-ylamino	O	3-cyclopropyl-2-fluorophenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.90[a]
I-190	H	methyl	H	O	3-bromophenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.01[a]
I-191	H	methyl	H	O	2-fluoro-3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.11[a]
I-192	H	Cl	ethoxy	O	3-(trifluoromethyl)phenyl	2-(4-bromo-2-chlorophenyl)-2,2-difluoroethyl	4.86[a]
I-193	H	methyl	H	O	2-fluoro-3-(trifluoromethyl)phenyl	2-(4-bromo-2-chlorophenyl)-2,2-difluoroethyl	4.49[a]
I-194	H	methyl	H	O	3-(difluoromethyl)phenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	3.72[a]
(*) I-195	H	methyl	H	O	3-(trifluoromethyl)phenyl	rac-1-(2,3-dihydro-1-benzofuran-5-yl)ethyl	3.19[a]
I-196	H	ethyl	H	O	3-(trifluoromethyl)phenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	4.66[a]

TABLE 1-continued

Compounds according to formula (I)

(I)

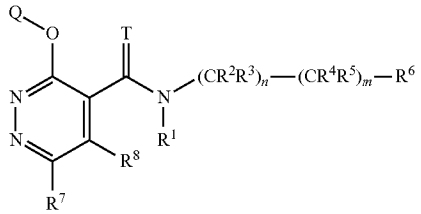


Ex No	R^1	R^7	R^8	T	Q	$(CR^2R^3)_n—(CR^4R^5)_m—R^6$	LogP
I-197	H	Cl	(2-methyl-1,3-dioxolan-4-yl)methyl-amino	O	3-cyclopropyl-2-fluorophenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethy1	4.41[a]
I-198	H	methyl	H	O	3-chlorophenyl	2-(4-bromo-2-chlorophenyl)-2,2-difluoroethyl	4.11[a]
I-199	H	Cl	ethoxy	O	3-(trifluoromethyl)phenyl	rac-1-(4-methylphenyl)ethyl	4.25[a]
I-200	H	methyl	H	O	2-fluoro-3-(trifluoromethyl)phenyl	2-(2,4-dichlorophenyl)-2,2-difluoroethyl	4.19[a]
I-201	H	1-hydrazinylideneethyl	H	O	3-(trifluoromethyl)phenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	4.18[a]
I-202	H	Cl	3-hydroxyazetidin-1-yl	O	3-(trifluoromethyl)phenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	3.31[a]
I-203	H	Cl	H	O	3-(difluoromethyl)phenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	4.23[a]
I-204	H	Cl	methyl	O	3-(difluoromethyl)phenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	3.79[a]
I-205	H	methyl	H	O	3-(trifluoromethyl)phenyl	rac-1-(3,4-dimethylphenyl)ethyl	3.89[a]
I-206	H	methyl	H	O	3-(trifluoromethyl)phenyl	rac-1-(5-chloro-2,3-dihydro-1-benzofuran-7-yl)ethyl	3.96[a]
I-207	H	Cl	oxan-4-yl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.17[a]
I-208	H	Cl	H	O	3-(trifluoromethyl)phenyl	6-methyl-1,2,3,4-tetrahydronaphthalen-2-yl	4.59[a];4.48[b]
I-209	H	Cl	H	O	3-chloro-2-fluorophenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.44[a]
I-210	H	methyl	H	O	3-(trifluoromethyl)phenyl	1-[(4-methylphenyl)methyl]cyclopropyl	3.73[a]
I-211	H	Cl	methylamino	O	3-(trifluoromethyl)phenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	3.68[a]
I-212	H	Cl	H	O	3-(difluoromethyl)phenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	4.13[a]
I-213	H	methyl	H	O	3-(trifluoromethyl)phenyl	rac-1-(3-chlorophenyl)ethyl	3.60[a]
I-214	H	methyl	H	O	3-(trifluoromethyl)phenyl	1-(2-methyl-2,3-dihydrobenzofuran-5-yl)ethyl	3.46[a]
I-215	H	Cl	methyl	O	3-cyclopropyl-2-fluorophenyl	2-(2,4-dichlorophenyl)ethyl	4.58[a]
I-216	H	Cl	4-(ethoxycarbonyl)-1H-pyrazol-1-yl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.69[a]
I-217	H	ethyl	methyl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.05[a]
I-218	H	methyl	H	O	3-chlorophenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.92[a]

TABLE 1-continued

Compounds according to formula (I)

(I)

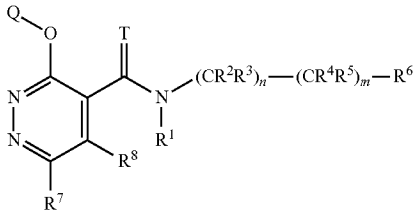


Ex No	R^1	R^7	R^8	T	Q	$(CR^2R^3)_n—(CR^4R^5)_m—R^6$	LogP
I-219	H	Cl	H	O	3-bromo-2-fluorophenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.49[a]
I-220	H	CN	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.34[a]
I-221	H	Cl	ethoxy	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)ethyl	4.53[a]
I-222	H	prop-1-en-2-yl	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.87[a]
I-223	H	methyl	H	O	2-fluoro-3-(trifluoromethyl)phenyl	rac-2-(4-chlorophenyl)-2-fluoroethyl	3.71[a]
I-224	H	methyl	H	O	3-(trifluoromethyl)phenyl	1-(4-chlorophenyl)-2-methylpropan-2-yl	4.32[a]
I-225	H	Cl	2-hydroxyethylamino	O	3-(trifluoromethyl)phenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	3.29[a]
I-226	H	methyl	H	O	3-(difluoromethyl)phenyl	2-(4-bronnophenyl)-2,2-difluoroethyl	3.46[a]
I-227	H	methyl	H	O	3-(trifluoromethyl)phenyl	rac-1-(3,4-dichlorophenyl)ethyl	3.99[a]
I-228	H	1H-imidazol-1-yl	H	O	3-(trifluoromethyl)phenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	3.31[a];4.06[b]
(*) I-229	H	methyl	H	O	3-(trifluoromethyl)phenyl	1-(2,3-dihydro-1-benzofuran-5-yl)ethyl	3.17[a]
I-230	H	Cl	5-cyclopropyl-1H-pyrazol-1-yl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.82[a]
I-231	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)ethyl	4.51[a]
I-232	H	Cl	H	O	3-aminophenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.23[a]
(*) I-233	H	methyl	H	O	2-fluoro-3-(trifluoromethyl)phenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	4.24[a]
I-234	H	Cl	2-hydroxyethylamino	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.48[a]
I-235	H	methyl	H	O	3-(difluoromethyl)phenyl	2-(5-chloropyridin-2-yl)-2,2-difluoroethyl	2.92[a]
I-236	H	methyl	H	O	3-(trifluoromethyl)phenyl	rac-1-(6-methylnaphthalen-2-yl)ethyl	4.23[a]
I-237	H	Cl	4-cyano-1H-pyrazol-1-yl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.32[a]
I-238	H	Cl	nnethylsulfanyl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.56[a]
I-239	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(4-chlorophenyl)-2-fluoroethyl	3.99[a];3.94[b]
I-240	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(4-cyclopropyl-2-methylphenyl)-2,2-difluoroethyl	4.77[a]
I-241	H	Cl	cyclohexylamino	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	5.27[a]
I-242	H	methyl	H	O	3-(difluoromethyl)phenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	3.63[a]
I-243	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(2-cyano-4-methylphenyl)ethyl	4.33[a]
I-244	H	methyl	H	O	3-(trifluoromethyl)phenyl	rac-1-(4-bromophenyl)ethyl	3.76[a]
(*) I-245	H	Cl	H	O	3-(trifluoromethyl)phenyl	6-methyl-1,2,3,4-tetrahydronaphthalen-1-yl	4.61[a];4.51[b]

TABLE 1-continued

Compounds according to formula (I)

(I)

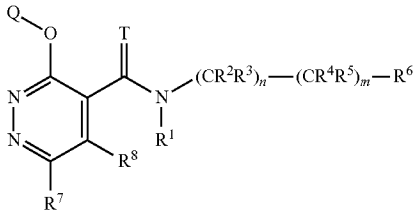


Ex No	R^1	R^7	R^8	T	Q	$(CR^2R^3)_n—(CR^4R^5)_m—R^6$	LogP
I-246	H	methyl	H	O	3-(trifluoromethyl)phenyl	2-(2,5-difluorophenyl)ethyl	3.35[a]
I-247	H	Cl	H	O	3-cyclopropylphenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	4.41[a]
I-248	H	methyl	H	O	2-fluoro-3-(trifluoromethyl)phenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	4.18[a]
I-249	H	Cl	1H-pyrazol-1-yl	O	3-(trifluoromethyl)phenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	4.13[a]
I-250	H	Cl	3-chloropyridin-4-yl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.49[a]
I-251	H	cyclopropyl	H	O	3-(difluoromethyl)phenyl	2-(5-chloropyridin-2-yl)-2,2-difluoroethyl	3.46[a]
I-252	H	1H-imidazol-1-yl	H	O	3-(trifluoromethyl)phenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	3.23[a];3.99[b]
I-253	H	Cl	H	O	3-(trifluoromethyl)phenyl	rac-1-[3-(trifluoromethyl)phenyl]ethyl	4.24[a]
I-254	H	Cl	ethyl	O	3-(trifluoromethyl)phenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	4.51[a]
(*) I-255	H	cyclopropyl	H	O	3-(trifluoromethyl)phenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	4.80[a]
I-256	H	Cl	dinnethylamino	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.41[a]
I-257	H	Cl	(4-methoxy-4-oxobutyl)amino	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.23[a]
I-258	H	cyclopropyl	H	O	3-(difluoromethyl)phenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	4.27[a]
I-259	H	Cl	H	O	phenyl	2-(2,4-dichlorophenyl)-2,2-difluoroethyl	4.11[a]
I-260	H	Cl	H	O	2-fluoro-3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.54[a]
I-261	H	Cl	H	O	3-(trifluoromethyl)phenyl	rac-1-(4-methylphenyl)ethyl	4.15[a]
I-262	H	Cl	pyrrolidin-1-yl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.56[a]
I-263	H	cyclopropyl	H	O	3-(difluoromethyl)phenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	3.87[a]
I-264	H	methyl	H	O	3-(difluoromethyl)-2-fluorophenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	3.50[a]
I-265	H	Cl	2-methoxyethoxy-methyl	O	3-chlorophenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.20[a]
I-266	H	methyl	methyl	O	3-chlorophenyl	2-(4-methylphenyl)propan-2-yl	3.39[a]
(*) I-267	H	Cl	methyl	O	3-cyclopropyl-2-fluorophenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	4.59[a]
I-268	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(3,4-dimethoxyphenyl)ethyl	3.26[a]
I-269	H	Cl	phenyl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.85[a]
I-270	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(2,4-difluorophenyl)ethyl	3.85[a];3.79[b]
I-271	H	Cl	1H-imidazol-1-yl	O	3-(trifluoromethyl)phenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	3.44[a]
I-272	H	Cl	cyclohexylamino	O	3-(trifluoromethyl)phenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	4.98[a]

TABLE 1-continued

Compounds according to formula (I)

(I)

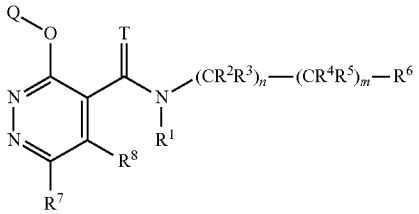


Ex No	R^1	R^7	R^8	T	Q	$(CR^2R^3)_n—(CR^4R^5)_m—R^6$	LogP
I-273	H	Cl	H	O	3-(difluoromethyl)phenyl	2-(4-bromo-2-chlorophenyl)-2,2-difluoroethyl	4.25[a]
I-274	H	Cl	H	O	3-(trifluoromethyl)phenyl	rac-7-bromo-1,2,3,4-tetrahydronaphthalen-1-yl	4.51[a]
I-275	H	3-chloropyridin-4-yl	H	O	3-(difluoromethyl)-2-fluorophenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.11[a]
I-276	H	Cl	H	O	3-(trifluoromethyl)phenyl	rac-2-(4-chlorophenyl)cyclopropyl	3.89[a]
I-277	H	Cl	H	O	3-(trifluoromethyl)phenyl	2,2-difluoro-2-(3-methylphenyl)ethyl	4.23[a]
I-278	H	Cl	H	O	3-(trifluoromethyl)phenyl	2,2-difluoro-2-[4-[4-(methoxycarbonyl)phenyl]-2-methylphenyl]ethyl	4.85[a]
I-279	H	methyl	methyl	O	3-(trifluoromethyl)phenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	3.60[a]
I-280	H	Cl	anilino	O	3-(trifluoromethyl)phenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	4.23[a]
I-281	H	cyclopropyl	H	O	3-(difluoromethyl)phenyl	2-(4-bromophenyl)-2,2-difluoroethyl	3.99[a]
I-282	H	methyl	H	O	3-cyclopropylphenyl	2-[5-(difluoromethyl)pyridin-2-yl]ethyl	2.82[b]
I-283	H	methyl	H	O	3-(difluoromethyl)-2-fluorophenyl	2-(4-bromo-2-chlorophenyl)-2,2-difluoroethyl	3.94[a]
I-284	H	methyl	methyl	O	3-cyclopropyl-2-fluorophenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	4.01[a]
I-285	H	Cl	[rac-1-hydroxy-3-methoxypropan-2-yl]oxy	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.90[a]
I-286	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(2,5-difluorophenyl)ethyl	3.82[a]
I-287	H	Cl	H	O	3-chloro-5-fluorophenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.59[a]
(*) I-288	H	cyclopropyl	H	O	3-(trifluoromethyl)phenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	4.57[a]
I-289	H	Cl	dinnethylamino	O	3-(trifluoromethyl)phenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	4.15[a]
I-290	H	cyclopropyl	H	O	3-(difluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.15[a]
I-291	H	Cl	H	O	5-(trifluoromethyl)-3-thienyl	2-(2,4-dimethylphenyl)ethyl	4.55[a]
I-292	H	CN	H	O	3-(trifluoromethyl)phenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	4.08[a]
I-293	H	Cl	2-nnethoxyethyl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)ethyl	4.51[a]
I-294	H	methoxy	methyl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.34[a]
I-295	H	cyclopropyl	H	O	3-(difluoromethyl)phenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	4.18[a]
I-296	H	Cl	methyl	O	3-(trifluoromethyl)phenyl	2-(4-methylphenyl)propan-2-yl	4.20[a]

TABLE 1-continued

Compounds according to formula (I)

(I)

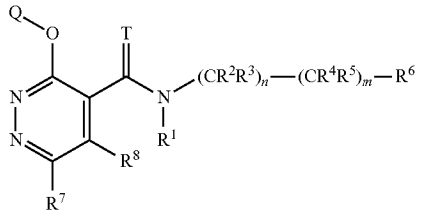


Ex No	R^1	R^7	R^8	T	Q	$(CR^2R^3)_n—(CR^4R^5)_m—R^6$	LogP
I-297	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(4-bromophenyl)-2-fluoroethyl	4.13[a];4.08[b]
I-298	H	CN	H	O	3-(trifluoromethyl)phenyl	2-(4-bromo-2-chlorophenyl)-2,2-difluoroethyl	4.49[a]
I-299	H	Cl	H	O	3-(trifluoromethyl)phenyl	2,2-difluoro-2-[2-methyl-4-(1-methyl-1H-pyrazol-4-yl)phenyl]ethyl	3.60[a]
I-300	H	Cl	H	O	2-fluoro-3-(trifluoronnethyl)phenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	4.26[a]
I-301	H	Cl	methylamino	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.90[a]
I-302	H	methyl	H	O	3-(trifluoromethyl)phenyl	rac-1-(4-fluorophenyl)ethyl	3.29[a]
I-303	H	Cl	ethyl	O	3-(trifluoromethyl)phenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	4.88[a]
I-304	H	methyl	methyl	O	3-(difluoromethyl)-2-fluorophenyl	2-(4-bromo-2-chlorophenyl)-2,2-difluoroethyl	3.72[a]
I-305	H	methyl	H	O	3-nitrophenyl	2-(4-bromo-2-chlorophenyl)-2,2-difluoroethyl	3.62[a]
I-306	H	Cl	H	O	3-(trifluoromethyl)phenyl	quinolin-3-ylmethyl	2.71[a]
I-307	H	(1E)-1-(methoxyimino)ethyl	H	O	3-(trifluoromethyl)phenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	4.77[a]
I-308	H	Cl	3-hydroxyazetidin-1-yl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.50[a]
I-309	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-[4-(difluoromethyl)phenyl]ethyl	3.78[a]
I-310	H	methyl	H	O	3-(trifluoromethyl)phenyl	rac-1-(3-methoxyphenyl)ethyl	3.25[a]
I-311	H	methyl	methyl	O	3-cyclopropyl-2-fluorophenyl	2-(2,4-dichlorophenyl)ethyl	3.96[a]
I-312	H	cyclopropyl	H	O	3-(trifluoromethyl)phenyl	2-(4-bromo-2-chlorophenyl)-2,2-difluoroethyl	4.79[a];4.68[b]
I-313	H	methyl	H	O	3-nitrophenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.46[a]
I-314	H	Cl	H	O	3-(trifluoromethyl)phenyl	2,2-difluoro-2-[2-methyl-4-[2-(trifluoromethyl)cyclopropyl]phenyl]ethyl	4.90[a]
I-315	H	Cl	H	O	2-fluoro-3-(trifluoronnethyl)phenyl	2-(4-bromo-2-chlorophenyl)-2,2-difluoroethyl	4.71[a]
I-316	H	pyridin-4-yl	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.65[a]

TABLE 1-continued

Compounds according to formula (I)

(I)

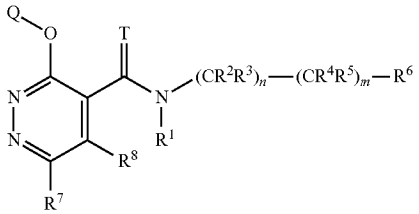


Ex No	R^1	R^7	R^8	T	Q	$(CR^2R^3)_n—(CR^4R^5)_m—R^6$	LogP
I-317	H	methyl	methoxy	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.99[a]
I-318	H	Cl	H	O	3-(trifluoromethyl)phenyl	rac-6-methoxy-1,2,3,4-tetrahydronaphthalen-1-yl	4.13[a]
I-319	H	3-chloropyridin-4-yl	H	O	3-(difluoromethyl)-2-fluorophenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	4.25[a]
I-320	H	Cl	H	O	3-(trifluoromethyl)phenyl	rac-1-[4-(trifluoronnethyl)phenyl]ethyl	4.23[a]
I-321	H	Cl	H	O	3-(trifluoromethyl)phenyl	2,2-difluoro-2-phenylethyl	3.73[a]
I-322	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dichlorophenyl)-2,2-difluoroethyl	4.40[a]
I-323	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(4-chlorophenyl)propyl	4.28[a]
I-324	H	3-chloropyridin-4-yl	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.37[a]
I-325	H	Cl	H	O	3-(trifluoromethyl)phenyl	[rac-6-chloro-2,3-dihydro-1-benzofuran-3-yl]methyl	3.99[a];3.90[b]
I-326	H	H	I	O	3-(trifluoromethyl)phenyl	2-(2,4-dichlorophenyl)-2,2-difluoroethyl	4.24[a]
I-327	H	Cl	H	O	3-iodophenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.61[a]
I-328	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(4-chloro-2-methylphenyI)-2,2-difluoroethyl	4.51[a]
I-329	H	Cl	H	O	3-(trifluoromethyl)phenyl	1-[(4-chlorophenyl)methyl]cyclopropyl	4.17[a]
I-330	H	Cl	2-methoxyethyl	O	3-(trifluoromethyl)phenyl	rac-1-(4-methylphenyl)ethyl	4.23[a]
I-331	H	Cl	H	O	3-(trifluoromethyl)phenyl	rac-5-bromoindan-1-yl	4.52[a];4.42[b]
I-332	H	Cl	H	O	3-(trifluoromethyl)phenyl	rac-1-(1-methyl-1H-indol-3-yl)ethyl	4.03[a]
I-333	H	H	cyclopropyl	O	3-(trifluoromethyl)phenyl	2-(2,4-dichlorophenyl)-2,2-difluoroethyl	4.18[a]
I-334	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(4-bromo-2-cyanophenyl)-2,2-difluoroethyl	3.89[a]
I-335	methoxy carbonyl	Cl	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	5.19[a]
I-336	H	methyl	methyl	O	3-(trifluoromethyl)phenyl	2-(2,4-dichlorophenyl)-2,2-difluoroethyl	3.94[a]
I-337	H	Cl	H	O	2-fluoro-3-methoxyphenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.01[a]
I-338	H	Cl	methyl	O	3-(trifluoromethyl)phenyl	2-(2,4-dichlorophenyl)-2,2-difluoroethyl	4.43[a]
I-339	H	Cl	oxetan-3-ylamino	O	3-(trifluoromethyl)phenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	3.47[a];3.32[b]
I-340	H	Cl	H	O	3-(trifluoromethyl)phenyl	rac-1-(6-nnethoxynaphthalen-2-yl)ethyl	4.27[a]
I-341	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-[4-methyl-2-(1-methy1-1H-innidazol-2-yl)phenyl]ethyl	1.85[a]
I-342	H	methyl	methyl	O	3-cyclopropyl-2-fluorophenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	3.90[a]

TABLE 1-continued

Compounds according to formula (I)

(I)

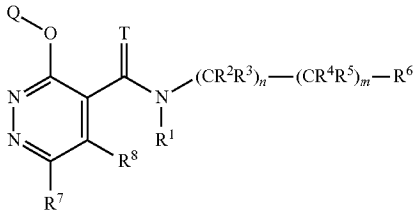


Ex No	R^1	R^7	R^8	T	Q	$(CR^2R^3)_n—(CR^4R^5)_m—R^6$	LogP
I-343	H	methyl	H	O	3-cyclopropyl-2-fluorophenyl	2-(2,4-dichlorophenyl)ethyl	4.32[a]
I-344	H	methyl	H	O	3-(trifluoromethyl)phenyl	2-(4-bromo-2-methylphenyl)-2,2-difluoroethyl	4.17 [a]
I-345	H	Cl	OH	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.28[a]
I-346	H	Cl	H	O	3-(trifluoromethyl)phenyl	rac-1-(3-bromophenyl)ethyl	4.23[a]
I-347	H	methyl	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)ethyl	3.99[a]
I-348	H	methyl	H	O	3-(trifluoromethyl)phenyl	2-(4-chloro-2-methylphenyl)-2,2-difluoroethyl	4.05[a]
I-349	H	Cl	OH	O	3-(trifluoromethyl)phenyl	2-(4-bromo-2-chlorophenyl)-2,2-difluoroethyl	4.51[a]
I-350	H	rac-1-hydroxyethyl	H	O	3-(trifluoromethyl)phenyl	rac-2-(4-bromo-2-chloro-phenyl-2-fluoroethyl	3.69[a]
I-351	H	3-chloropyridin-4-yl	methyl	O	3-(trifluoromethyl)phenyl	2-(2,4-dichlorophenyl)-2,2-difluoroethyl	4.39[a];4.51[b]
I-352	H	Cl	H	O	3-(trifluoromethyl)phenyl	rac-1-(5,6,7,8-tetrahydronaphthalen-2-yl)ethyl	4.85[a]
I-353	H	Cl	[formyl(methyl)amino] methyl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)ethyl	3.59[a]
I-354	H	methyl	H	O	3-(trifluoromethyl)phenyl	2-(4-bronno-2-cyanophenyl)-2,2-difluoroethyl	3.47[a]
I-355	H	Cl	H	O	3-(trifluoromethyl)phenyl	[1-[3-(trifluoromethyl)phenyl]cyclopropyl]methyl	4.53[a]
(*) I-356	H	Cl	H	O	3-(trifluoromethyl)phenyl	rac-6-methyl-1,2,3,4-tetrahydronaphthalen-1-yl	4.51[a]
I-357	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(4-chlorophenyl)propan-2-yl	4.44[a]
I-358	H	methyl	H	O	3-(difluoromethyl)-2-fluorophenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	3.83[a]
(*) I-359	H	Cl	H	O	3-(trifluoromethyl)phenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	4.56[a];4.46[b]
I-360	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(2-chloro-4-cyclopropylphenyl)-2,2-difluoroethyl	4.58[a]
I-361	H	Cl	isopropyl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.93[a]
I-362	H	Cl	H	O	3-cyclopropylphenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	4.87[a]

TABLE 1-continued

Compounds according to formula (I)

(I)

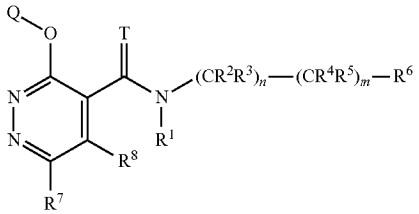


Ex No	R^1	R^7	R^8	T	Q	$(CR^2R^3)_n—(CR^4R^5)_m—R^6$	LogP
I-363	H	rac-1-hydroxyethyl	H	O	3-(trifluoromethyl)phenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	3.35[a]
I-364	H	Cl	H	O	3-(trifluoromethyl)phenyl	rac-1-(3-fluoro-4-methoxyphenyl)ethyl	3.69[a]
I-365	H	methyl	H	S	3-(difluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	
I-366	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(4-chloro-2-methylphenyl)-2-fluoroethyl	4.37[a]
(*) I-367	H	Cl	H	O	3-cyclopropylphenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	4.68[a]
I-368	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(4-cyanophenyl)propan-2-yl	3.67[a]
I-369	H	methyl	methyl	O	3-(difluoromethyl)-2-fluorophenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	3.65[a]
I-370	H	methyl	H	S	3-cyclopropylphenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.72[a]
I-371	H	methyl	H	O	3-(trifluoromethyl)phenyl	2-(4-bromo-2-chlorophenyl)-2,2-difluoroethyl	4.24[a]
I-372	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(4-bromo-2-methylphenyl)-2-fluoroethyl	4.46[a]
I-373	H	Cl	H	O	3-(trifluoromethyl)phenyl	rac-1-(3,4-dimethylphenyl)ethyl	4.39[a]
I-374	H	methyl	H	O	3-(difluoromethyl)-2-fluorophenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	3.74[a]
I-375	H	methyl	H	O	3-(trifluoromethyl)phenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	3.68[a]
I-376	H	Cl	H	O	3-(trifluoromethyl)phenyl	[1-(4-bromo-2-chlorophenyl)cyclopropylynethyl	5.14[a]
I-377	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-fluoro-2-(4-fluorophenyl)ethyl	3.63[a]
(*) I-378	H	Cl	H	O	3-(trifluoromethyl)phenyl	rac-2-chloro-4,5,6,7-tetrahydro-1-benzothiophen-7-yl	4.66[a]
I-379	H	Cl	H	O	3-(trifluoromethyl)phenyl	isoquinolin-4-ylmethyl	2.14[a]
(*) I-380	H	methyl	H	O	3-(trifluoromethyl)phenyl	2-chloro-4,5,6,7-tetrahydro-1-benzothiophen-7-yl	4.18[a]
I-381	H	pyridin-4-yl	cyclopropylamino	O	3-(trifluoromethyl)phenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	3.07[a]
I-382	H	Cl	H	O	3-methoxyphenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	3.97[a]
I-383	H	Cl	2-oxopyrrolidin-1-yl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.16[a]
I-384	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(4-methoxyphenyl)propan-2-yl	4.03[a]
I-385	H	methyl	H	O	3-(difluoromethyl)-2-fluorophenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.72[a]
I-386	H	Cl	methyl	O	3-(trifluoromethyl)phenyl	rac-1-(1-methyl-1H-indol-3-yl)ethyl	3.90[a]
I-387	H	Cl	H	O	3-(trifluoromethyl)phenyl	2,2-difluoro-2-[2-methyl-4-(trifluoromethyl)phenyl]ethyl	4.51[a]
I-388	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-fluoro-2-(4-iodophenyl)ethyl	4.23[a]

TABLE 1-continued

Compounds according to formula (I)

(I)

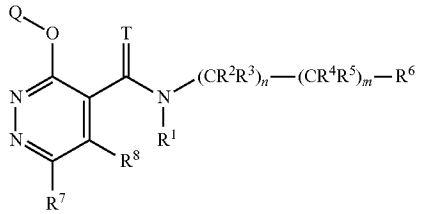


Ex No	R^1	R^7	R^8	T	Q	$(CR^2R^3)_n—(CR^4R^5)_m—R^6$	LogP
I-389	H	Cl	2-methoxyethyl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.67[a]
I-390	H	Cl	H	O	3-(trifluoromethyl)phenyl	quinolin-5-ylmethyl	2.25[a]
I-391	H	H	methyl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.67[a]
(*) I-392	H	methyl	H	O	3-(trifluoromethyl)phenyl	2-chloro-4,5,6,7-tetrahydro-1-benzothiophen-7-yl	4.18[a]
I-393	H	methyl	H	O	3-(trifluoromethyl)phenyl	rac-6-methyl-1,2,3,4-tetrahydronaphthalen-1-yl	4.05[a]
I-394	H	Cl	H	O	3-(trifluoromethyl)phenyl	rac-1-(1,3-benzodioxol-5-yl)ethyl	3.64[a]
I-395	H	methyl	H	O	3-(difluoromethyl)-2-fluorophenyl	2-(5-chloropyridin-2-yl)-2,2-difluoroethyl	3.02[a]
I-396	H	methyl	H	O	3-(trifluoromethyl)phenyl	2,2-difluoro-2-phenylethyl	3.28[a]
I-397	H	Cl	H	O	3-(trifluoromethyl)phenyl	[1-(2,4-dinnethylphenyl)cyclopropyl]methyl	4.90[a]
I-398	H	Cl	2-methoxyethyl	O	3-(trifluoromethyl)phenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	4.37[a]
I-399	H	Cl	H	O	3-fluorophenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	4.16[a]
I-400	H	methyl	cyclopropylamino	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.42[a]
I-401	H	H	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dichlorophenyl)-2,2-difluoroethyl	3.99[a]
I-402	H	Cl	H	O	3-(trifluoromethyl)phenyl	rac-1-(2,3-dihydro-1-benzofuran-5-yl)ethyl	3.71[a]
I-403	H	methyl	methyl	O	3-(difluoromethyl)-2-fluorophenyl	2-(2,4-dichlorophenyl)-2,2-difluoroethyl	3.63[a]
I-404	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(4-bromo-2-methylphenyl)-2,2-difluoroethyl	4.57[a]
I-405	H	Cl	H	O	3-(difluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.16[a]
I-406	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-fluoro-2-[4-(trifluoromethyl)phenyl]ethyl	4.08[a]
(*) I-407	H	Cl	H	O	2,3-difluorophenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	4.26[a]
I-408	H	Cl	oxetan-3-ylamino	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.85[a];3.94[b]
I-409	H	methyl	methyl	O	3-(difluoromethyl)-2-fluorophenyl	2-(2,4-dichlorophenyl)ethyl	3.52[a]
I-410	H	methyl	methyl	O	3-cyclopropyl-2-fluorophenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.92[a]
I-411	H	methyl	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.00[a]

TABLE 1-continued

Compounds according to formula (I)

(I)

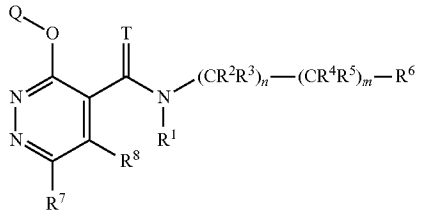


Ex No	R^1	R^7	R^8	T	Q	$(CR^2R^3)_n—(CR^4R^5)_m—R^6$	LogP
I-412	H	Cl	H	O	3-(trifluoromethyl)phenyl	[1-(3-methylphenyl)cyclopropyl]methyl	4.59[a]
I-413	H	Cl	H	O	3-chloro-4-fluorophenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.44[a]
I-414	H	Cl	H	O	3-(trifluoromethyl)phenyl	rac-1-(3,4-difluorophenyl)ethyl	3.92[a]
I-415	H	methyl	methyl	O	3-(difluoromethyl)-2-fluorophenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	3.50[a]
I-416	H	methyl	H	O	3-(trifluoromethyl)phenyl	2-(5-bromo-3-chloropyridin-2-yl)-2,2-difluoroethyl	3.85[a]
I-417	H	Cl	H	O	3-nitrophenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.01[a]
I-418	H	Cl	H	O	3-(trifluoromethyl)phenyl	242-chloro-4-(trifluoromethyl)phenyl]-2,2-difluoroethyl	4.45[a]
I-419	H	Cl	1	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)ethyl	4.49[a]
I-420	H	Cl	H	O	3-(trifluoromethyl)phenyl	rac-6-bromo-1,2,3,4-tetrahydronaphthalen-1-yl	4.72[a];4.64[b]
I-421	H	Cl	H	O	3-bromo-4-fluorophenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	4.56[a]
I-422	H	Cl	2-nnethoxyethoxy	O	3-(trifluoromethyl)phenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	4.23[a]
(*) I-423	H	methyl	methyl	O	3-(trifluoromethyl)phenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	3.79[a]
I-424	H	methyl	methyl	O	3-(difluoromethyl)-2-fluorophenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.59[a]
I-425	H	Cl	H	O	3-(trifluoromethyl)phenyl	2,2-difluoro-2-[4-(trifluoromethyl)phenyl]ethyl	4.17[a]
I-426	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-[2-chloro-4-(trifluoromethyl)phenoxy]ethyl	4.34[a]
I-427	H	Cl	H	O	3-chloro-4-methylphenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.76[a]
I-428	H	methyl	methyl	O	3-(trifluoromethyl)phenyl	2-(4-bromo-2-chlorophenyl)-2,2-difluoroethyl	4.04[a]
I-429	H	Cl	H	O	3-bromo-5-fluorophenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	4.70[a]
I-430	H	Cl	pyridin-2-yl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.26[a]
I-431	H	1-hydroxyiminoethyl	H	O	3-(trifluoromethyl)phenyl	2-(4-bromo-2-chlorophenyl)-2,2-difluoroethyl	4.24[a]
I-432	H	H	1H-pyrazol-1-yl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.01[a];4.12[b]
I-433	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(4-methylphenyl)propan-2-yl	4.41[a]
I-434	H	Cl	azetidin-3-yloxy	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	2.40[a]

TABLE 1-continued

Compounds according to formula (I)

(I)



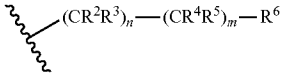
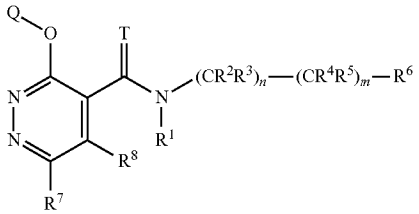
Ex No	R^1	R^7	R^8	T	Q		LogP
I-435	H	methyl	H	O	3-(trifluoromethyl)phenyl	2,2-difluoro-2-[2-methyl-4-(trifluoromethyl)phenyl]ethyl	4.17[a]
I-436	H	Cl	H	O	3-(trifluoromethyl)phenyl	[rac-indolin-3-yl]methyl	2.42[a]
I-437	H	Cl	H	O	4-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.51[a]
(*) I-438	H	Cl	H	O	3-(trifluoromethyl)phenyl	spiro[cyclopropane-2,1'-indane]-1-yl	4.27[a]
I-439	H	Cl	H	O	3-(trifluoromethyl)phenyl	[rac-5-bromoindan-1-yl]methyl	4.61[a];4.56[b]
I-440	H	H	1,3-thiazol-4-yl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.05[a];4.08[b]
I-441	H	Cl	H	O	3-(difluoromethyl)-2-fluorophenyl	2-(4-bromophenyl)-2,2-difluoroethyl	3.96[a]
I-442	H	Cl	ethylsulfanyl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.87[a]
I-443	H	Cl	methyl	O	3-(trifluoromethyl)phenyl	2-(4-bromo-2-chlorophenyl)ethyl	4.51[a]
I-444	H	Cl	H	O	3-(trifluoromethyl)phenyl	rac-1-(4-bromophenyl)ethyl	4.30[a]
I-445	H	ethyl	methyl	O	3-(trifluoromethyl)phenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	4.25[a]
I-446	H	Cl	H	O	3-(difluoromethyl)-2-fluorophenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.15[a]
I-447	H	Cl	H	O	3-bromophenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.59[a]
(*) I-448	H	Cl	H	O	3-(trifluoromethyl)phenyl	spiro[cyclopropane-2,1'-indane]-1-yl	4.37[a]
I-449	H	Cl	H	O	5-bromopyridin-3-yl	2-(4-chlorophenyl)-2,2-difluoroethyl	3.46[a];3.37[b]
I-450	H	1-hydroxyiminoethyl	H	O	3-(trifluoromethyl)phenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	4.32[a]
I-451	H	(1Z)-1-(methoxyimino)ethyl	H	O	3-(trifluoromethyl)phenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	4.40[a]
I-452	H	(1Z)-1-(methoxyimino)ethyl	H	O	3-(trifluoromethyl)phenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	4.77[a]
I-453	H	Cl	methyl	O	3-(trifluoromethyl)phenyl	2-(4-chlorophenyl)ethyl	3.92[a]
I-454	H	Cl	H	O	3-(trifluoromethyl)phenyl	rac-1-(6-methylnaphthalen-2-yl)ethyl	4.74[a]
I-455	H	ethyl	methyl	O	3-(trifluoromethyl)phenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	4.30[a]
I-456	H	Cl	H	O	3-(difluoromethyl)-2-fluorophenyl	2-(5-chloropyridin-2-yl)-2,2-difluoroethyl	3.44[a]
I-457	H	Cl	methylamino	O	3-cyclopropyl-2-fluorophenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.01[a]
I-458	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dichlorophenyl)-2-fluoroethyl	4.46[a]
I-459	H	Cl	H	O	3-chlorophenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.44[a]

TABLE 1-continued

Compounds according to formula (I)

(I)



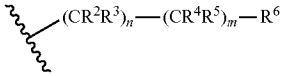
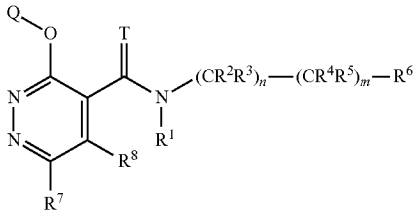
Ex No	R^1	R^7	R^8	T	Q		LogP
I-460	H	Cl	methyl	O	3-(trifluoromethyl)phenyl	rac-1-(4-nnethylphenyl)ethyl	3.99[a]
I-461	H	I	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.67[a]
I-462	H	Cl	H	O	3-fluorophenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	3.77[a]
I-463	H	Cl	H	O	5-bromopyridin-3-yl	2-(2,4-dichlorophenyl)-2,2-difluoroethyl	3.82[a];3.75[b]
I-464	H	Cl	methyl	O	3-(trifluoromethyl)phenyl	2-(2,4-dichlorophenyl)ethyl	4.37[a]
I-465	H	3-methoxypyridin-4-yl	H	O	3-(trifluoromethyl)phenyl	2-(4-bromo-2-chlorophenyl)-2,2-difluoroethyl	3.94[a]
I-466	H	Cl	H	O	3-(trifluoromethyl)phenyl	rac-1-(3,4-dichlorophenyl)ethyl	4.51[a]
I-467	H	Cl	H	O	3-(difluoromethyl)-2-fluorophenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	3.90[a]
I-468	H	Cl	H	O	3-cyclopropylphenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.67[a]
I-469	H	Cl	methoxy	O	3-(trifluoromethyl)phenyl	2-(4-bromo-2-chlorophenyl)-2,2-difluoroethyl	4.61[a]
I-470	H	Cl	H	O	2,3-difluorophenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	3.83[a]
I-471	H	Cl	H	O	5-bromopyridin-3-yl	2-(4-bromo-2-chlorophenyl)-2,2-difluoroethyl	3.92[a];4.84[b]
I-472	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(2-chloro-4-prop-1-en-2-ylphenyl)-2,2-difluoroethyl	4.80[a];4.76[b]
I-473	H	(1E)-1-(methoxyimino)ethyl	H	O	3-(trifluoromethyl)phenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	5.30[a]
I-474	H	Cl	2-methoxyethyl	O	3-(trifluoromethyl)phenyl	rac-2-(4-chlorophenyl)-2-fluoroethyl	4.15[a]
I-475	H	3-methoxypyridin-4-yl	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dichlorophenyl)-2,2-difluoroethyl	3.87[a]
I-476	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(4-fluorophenyl)propan-2-yl	4.11[a]
I-477	H	methyl	H	O	3-(difluoromethyl)-2-fluorophenyl	2-(4-bromophenyl)-2,2-difluoroethyl	3.55[a]
I-478	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(2-bromo-4-chlorophenyl)-2,2-difluoroethyl	4.68[a]
I-479	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(6-chloropyridin-3-yl)-2,2-difluoroethyl	3.42[a]
I-480	H	Cl	H	O	3-ethynylphenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.15[a]
I-481	H	Methyl	H	O	3-(difluoromethyl)phenyl	rac-2-chloro-4,5,6,7-tetrahydro-1-benzothiophen-7-yl	3.74[a]
I-482	H	Cl	H	O	3-bromo-5-fluorophenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	4.27[a]
I-483	H	Cl	H	O	5-bromopyridin-3-yl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	3.87[a];3.80[b]

TABLE 1-continued

Compounds according to formula (I)

(I)

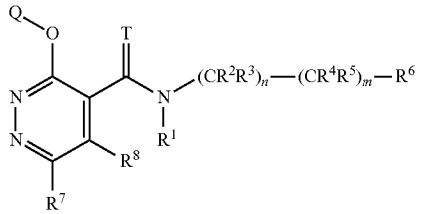


Ex No	R^1	R^7	R^8	T	Q	$(CR^2R^3)_n—(CR^4R^5)_m—R^6$	LogP
I-484	H	Cl	cyclopropylamino	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethoxyphenyl)ethyl	3.44[a]
I-485	H	Cl	3-carboxy-propylamino		3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	
I-486	H	3-methoxypyridin-4-yl	H	O	3-(trifluoromethyl)phenyl	2-(4-bromophenyl)-2,2-difluoroethyl	3.60[a]
I-487	H	Cl	H	O	3-(trifluoromethyl)phenyl	rac-1-(3-chlorophenyl)ethyl	4.13[a]
I-488	H	CN	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)ethyl	4.30[a]
I-489	H	Cl	H	O	3-(trifluoromethyl)phenyl	[rac-chroman-4-yl]methyl	3.94[a]
I-490	H	Cl	H	O	3-(trifluoromethoxy)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.63[a]
I-491	H	Cl	H	O	3-bromo-5-fluorophenyl	2-(4-bromo-2-chlorophenyl)-2,2-difluoroethyl	4.72[a]
I-492	H	Cl	H	O	3-bromo-4-fluorophenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	4.15[a]
I-493	H	Cl	cyclopropylamino	O	3-(trifluoromethyl)phenyl	rac-2-(4-chlorophenyl)-2-fluoroethyl	3.76[a]
I-494	H	3-chloropyridin-4-yl	H	O	2,3-difluorophenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	4.13[a]
I-495	H	Cl	H	O	3-(trifluoromethyl)phenyl	rac-1-(4-fluorophenyl)ethyl	3.83[a]
I-496	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(2-chloro-4-methylphenyl)-2,2-difluoroethyl	4.28[a]
I-497	H	Cl	methyl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.46[a]
I-498	H	Cl	H	O	3-(trifluoromethyl)phenyl	2,2-difluoro-2-(3-fluorophenyl)ethyl	3.89[a]
I-499	H	Cl	H	O	5-(trifluoromethyl)pyridin-3-yl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.96[a]
I-500	H	Cl	methyl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethoxyphenyl)ethyl	3.65[a]
I-501	H	3-chloropyridin-4-yl	H	O	2,3-difluorophenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	4.03[a]
I-502	H	Cl	H	O	3-(trifluoromethyl)phenyl	rac-1-(3-methoxyphenyl)ethyl	3.76[a]
I-503	H	methyl	methyl	O	3-cyclopropylphenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	3.92[a]
I-504	H	methyl	H	O	3-cyclopropyl-2-fluorophenyl	rac-1-(1-methyl-1H-indol-3-yl)ethyl	3.72[a]
I-505	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(4-bromo-2-fluorophenyl)-2,2-difluoroethyl	4.17[a]
I-506	H	Cl	methyl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)ethyl	4.30[a]
I-507	H	1-methyl-1H-imidazol-5-yl	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	2.62[a]
I-508	H	Cl	H	O	5-chloropyridin-3-yl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.72[a];3.87[b]

TABLE 1-continued

Compounds according to formula (I)

(I)

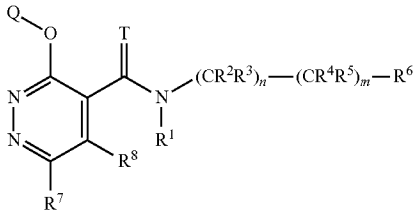


Ex No	R^1	R^7	R^8	T	Q	$(CR^2R^3)_n—(CR^4R^5)_m—R^6$	LogP
I-509	H	(1Z)-1-(methoxyimino)ethyl	H	O	3-(trifluoromethyl)phenyl	2-(4-bronno-2-chlorophenyl)-2,2-difluoroethyl	4.82[a]
I-510	H	Cl	methyl	O	3-(trifluoromethyl)phenyl	rac-2-(4-chlorophenyl)-2-fluoroethyl	3.92[a]
I-511	H	methyl	H	O	3-(trifluoromethyl)phenyl	2,2-difluoro-2-(5-methoxypyridin-2-yl)ethyl	2.96[a];3.11[b]
I-512	H	3-chloropyridin-4-yl	H	O	2,3-difluorophenyl	2-(4-bronno-2-chlorophenyl)-2,2-difluoroethyl	4.18[a]
I-513	H	methyl	H	O	3-cyclopropyl-2-fluorophenyl	rac-1-(1,5-dimethyl-1H-indol-3-yl)ethyl	4.03[a]
I-514	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(4-bromophenyl)-2,2-difluoroethyl	4.11[a]
I-515	H	1H-pyrazol-4-yl	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.65[a]
I-516	H	Cl	methyl	O	3-(trifluoromethyl)phenyl	2-(4-bromo-2-chlorophenyl)-2,2-difluoroethyl	4.64[a]
I-517	H	Cl	H	O	3-(trifluoromethyl)phenyl	[rac-1,2,3,4-tetrahydronaphthalen-1-yl]methyl	4.61[a]
I-518	H	Cl	H	O	5-fluoropyridin-3-yl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.37[a];3.55[b]
I-519	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(4-ethynyl-2-methylphenyl)-2,2-difluoroethyl	4.32[a]
I-520	H	Cl	H	O	3-fluorophenyl	2-(4-bromo-2-chlorophenyl)-2,2-difluoroethyl	4.20[a]
I-521	H	Cl	H	O	3-fluorophenyl	2-(2,4-dichlorophenyl)-2,2-difluoroethyl	4.13[a]
I-522	H	Cl	cyclopropylamino	O	3-(trifluoromethyl)phenyl	2-(4-bromo-2-chlorophenyl)-2,2-difluoroethyl	4.41[a]
I-523	H	(1E)-1-(methoxyimino)ethyl	H	O	3-(trifluoromethyl)phenyl	2-(4-bromo-2-chlorophenyl)-2,2-difluoroethyl	5.20[a]
I-524	H	Cl	2-methoxyethyl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethoxyphenyl)ethyl	3.85[a]
I-525	H	methyl	H	O	3-(trifluoromethyl)phenyl	2-[5-(difluoromethyl)pyridin-2-yl]ethyl	2.57[a];2.71[b]
I-526	H	3-chloropyridin-4-yl	H	O	2,3-difluorophenyl	2-(2,4-dichlorophenyl)-2,2-difluoroethyl	4.08[a]
I-527	H	Cl	H	O	3-(trifluoromethyl)phenyl	3-(4-methylphenyl)oxetan-3-yl	3.69[a]
I-528	H	methyl	H	O	3-cyclopropyl-2-fluorophenyl	rac-1-(6-chloro-1-methyl-1H-indol-3-yl)ethyl	4.12[a]
I-529	H	Cl	H	O	3-(trifluoromethyl)phenyl	2,2-difluoro-2-(2-nnethylphenyl)ethyl	4.16[a]
I-530	H	Cl	H	O	2,3-difluorophenyl	2-(4-bromo-2-chlorophenyl)-2,2-difluoroethyl	4.27[a]

TABLE 1-continued

Compounds according to formula (I)

(I)

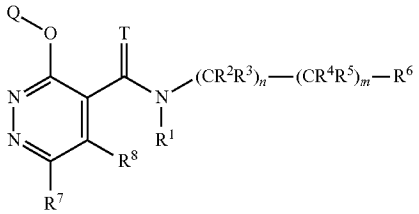


Ex No	R^1	R^7	R^8	T	Q	$(CR^2R^3)_n—(CR^4R^5)_m—R^6$	LogP
I-531	H	Cl	H	O	2,3-difluorophenyl	2-(2,4-dichlorophenyl)-2,2-difluoroethyl	4.18[a]
I-532	H	3-chloropyridin-4-yl	H	O	2,3-difluorophenyl	2-(4-bromophenyl)-2,2-difluoroethyl	3.83[a]
(*) I-533	H	Cl	methyl	O	3-methoxyphenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	3.85[a]
I-534	H	Cl	methyl	O	3-(trifluoromethyl)phenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	4.18[a]
I-535	H	Cl	H	O	3-bromo-5-fluorophenyl	2-(2,4-dichlorophenyl)-2,2-difluoroethyl	4.64[a]
I-536	H	methyl	H	O	3-cyclopropylphenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	4.05[a]
I-537	H	3-methylpyridin-4-yl	H	O	3-(trifluoromethyl)phenyl	2-(4-bromo-2-chlorophenyl)-2 ,2-difluoroethyl	3.58[a]
I-538	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(3,4-dichlorophenyl)-2,2-difluoroethyl	4.51[a]
I-539	H	Cl	H	O	3-(trifluoromethyl)phenyl	1-quinolin-2-ylethyl	4.24[a]
I-540	H	Cl	H	O	3-bromo-4-fluorophenyl	2-(2,4-dichlorophenyl)-2,2-difluoroethyl	4.51[a]
I-541	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(1,3-benzodioxol-5-yl)ethyl	3.55[a]
I-542	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(4-pyridin-4-ylphenyl)ethyl	2.13[a]
I-543	H	methyl	H	O	3-(trifluoromethyl)phenyl	2-(2-methyl-1,3-benzoxazol-4-yl)ethyl	2.96[a]
I-544	H	methyl	H	O	3-cyclopropyl-2-	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl fluorophenyl	4.14[a]
I-545	H	3-methylpyridin-4-yl	H	O	3-(trifluoromethyl)phenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	3.46[a]
I-546	H	Cl	4-methoxy-1H-pyrazol-1-yl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.36[a]
I-547	H	Cl	methyl	O	3-(trifluoromethyl)phenyl	rac-1-(6-chloro-1-methyl-1H-indol-3-yl)ethyl	4.24[a]
I-548	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(3-bromo-2-chlorophenyl)-2,2-difluoroethyl	4.59[a]
I-549	H	Cl	methyl	O	3-(trifluoromethyl)phenyl	2,2-difluoro-2-(3-methylphenyl)ethyl	4.11[a]
I-550	H	Cl	pyridin-3-y1	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.99[a]
I-551	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(2,3-dihydro-1-benzofuran-5-yl)ethyl	3.65[a]
I-552	H	rac-1-fluoroethyl	H	O	3-(trifluoromethyl)phenyl	rac-2-(4-bromo-2-chloro-phenyl)-2-fluoroethyl	4.67[a]
I-553	H	3-methylpyridin-4-yl	H	O	3-(trifluoromethyl)phenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	3.37[a]
I-554	H	Cl	cyclopropyloxy	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.72[a]
I-555	H	Cl	methyl	O	3-cyclopropylphenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	4.56[a]
I-556	H	methyl	methyl	O	3-cyclopropylphenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	3.83[a]

TABLE 1-continued

Compounds according to formula (I)

(I)



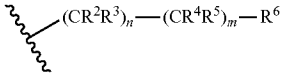
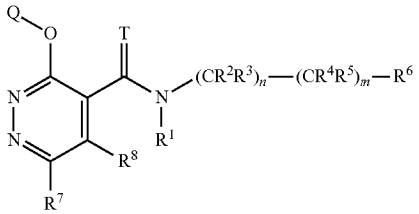
Ex No	R^1	R^7	R^8	T	Q		LogP
I-557	H	methyl	methyl	O	3-chlorophenyl	rac-1-(1-methyl-1H-indol-3-yl)ethyl	3.06[a]
I-558	H	Cl	H	O	3-(trifluoromethyl)phenyl	isoquinolin-3-ylmethyl	3.06[a]
I-559	H	Cl	H	O	3-(trifluoromethyl)phenyl	isoquinolin-5-ylmethyl	2.14[a]
I-560	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(6-isopropyloxypyridin-3-yl)ethyl	3.76[a]
I-561	H	methyl	H	O	3-methoxyphenyl	2-(4-bromo-2-chlorophenyl)-2,2-difluoroethyl	3.58[a]
I-562	H	3-methylpyridin-4-yl	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dichlorophenyl)-2,2-difluoroethyl	3.48[a]
I-563	H	methyl	H	O	2-fluoro-3-(trifluoromethyl)phenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	4.23[a]
I-564	H	methyl	H	O	3-cyclobutylphenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.85[a]
I-565	H	Cl	4-chloro-1H-pyrazol-1-yl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.80[a]
I-566	H	methyl	methyl	O	3-cyclopropylphenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.81[a]
I-567	H	Cl	H	O	2,2-difluoro-1,3-benzodioxol-5-yl	2-(2,4-dichlorophenyl)-2,2-difluoroethyl	4.56[a]
I-568	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-phenoxyethyl	3.58[a]
I-569	H	Cl	methyl	O	3-(trifluoromethyl)phenyl	2-(2,4-difluorophenyl)-2,2-difluoroethyl	3.90[a]
I-570	H	Cl	H	O	3-ethylphenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.68[a]
I-571	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethoxyphenyl)ethyl	3.92[b]
I-572	H	cyclopropyl	methyl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.41[a]
I-573	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(2,3-dihydro-1,4-benzodioxin-6-yl)ethyl	
I-574	H	methyl	H	O	3-cyclopropylphenyl	2-(4-bromo-2-chlorophenyl)-2,2-difluoroethyl	4.28[a]
I-575	H	3-methylpyridin-4-yl	H	O	3-(trifluoromethyl)phenyl	2-(4-bromophenyl)-2,2-difluoroethyl	3.23[a]
I-576	H	methyl	H	O	3-(trifluoromethyl)phenyl	2-[2-chloro-4-(oxetan-3-yl)phenyl]-2,2-difluoroethyl	3.15[a]
I-577	H	ethynyl	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.31[a]
I-578	H	Cl	H	O	3-bromophenyl	2,2-difluoro-2-(5-methoxypyridin-2-yl)ethyl	3.33[a];2 99[b]
I-579	H	methyl	H	O	3-cyclopropyl-2-fluorophenyl	2-(4-bromo-2-chlorophenyl)-2,2-difluoroethyl	4.34[a]
I-580	H	3-methoxypyridin-4-yl	H	O	3-(trifluoromethyl)phenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	3.87[a]

TABLE 1-continued

Compounds according to formula (I)

(I)

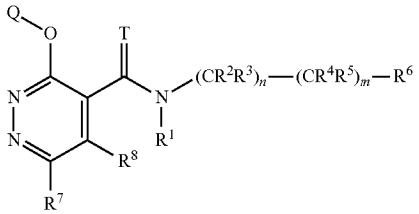


Ex No	R^1	R^7	R^8	T	Q	$(CR^2R^3)_n—(CR^4R^5)_m—R^6$	LogP
I-581	H	methyl	H	O	3-cyclopropyl-2-	2-[5-(difluoromethyl)pyridin-2-yl]ethyl fluorophenyl	2.80[b]
I-582	H	methyl	H	O	3-(trifluoromethyl)phenyl	rac-6-(oxetan-3-yl)-1,2,3,4-tetrahydronaphthalen-1-yl	3.21[a]
I-583	H	Cl	H	O	3-(trifluoromethyl)phenyl	[3-(trifluoromethyl)phenyl]methyl	3.99[a]
I-584	H	ethynyl	H	O	3-(trifluoromethyl)phenyl	2-(4-ethynyl-2-methylphenyl)-2,2-difluoroethyl	4.08[a]
I-585	H	Cl	H	O	3-(trifluoromethyl)phenyl	rac-3-(trifluoromethyl)-5,6,7,8-tetrahydroquinolin-8-yl	4.04[a];4.14[b]
I-586	H	Cl	H	O	3-bromophenyl	2-(2,3-dihydro-1,4-benzodioxin-5-yl)ethyl	3.72[a]
I-587	H	Cl	H	O	3-cyclopropylphenyl	2-(2,4-dichlorophenyl)-2,2-difluoroethyl	4.65[a]
I-588	H	3-methoxypyridin-4-yl	H	O	3-(trifluoromethyl)phenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	3.76[a]
I-589	H	CHF2	H	O	3-(trifluoromethyl)phenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	4.49[a]
I-590	H	methyl	methyl	O	2-fluoro-3-(trifluoromethyl)phenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	3.92[a]
I-591	H	Cl	H	O	2-fluoro-3-methoxyphenyl	rac-6-bromo-1,2,3,4-tetrahydronaphthalen-1-yl	4.32[a]
I-592	H	methyl	H	O	3-(trifluoromethyl)phenyl	rac-6-cyclobutyl-1,2,3,4-tetrahydronaphthalen-1-yl	5.08[a]
I-593	H	Cl	H	O	3-(trifluoromethyl)phenyl	rac-4,5,6,7-tetrahydro-1-benzothiophen-7-yl	3.99[a]
(*) I-594	H	Cl	H	O	3-cyclopropyl-2-fluorophenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	4.80[a]
I-595	H	H	CHF2	O	3-(trifluoromethyl)phenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	4.24[a]
I-596	H	ethyl	Cl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)ethyl	4.51[a]
I-597	H	acetyl	H	O	3-(trifluoromethyl)phenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	4.02[a]
I-598	H	Cl	H	O	3-cyclopropyl-2-fluorophenyl	2-(2,4-dichlorophenyl)-2,2-difluoroethyl	4.71[a]
I-599	H	3-chloropyridin-4-yl	H	O	3-(trifluoromethyl)phenyl	2-(4-bromophenyl)-2,2-difluoroethyl	4.18[a]
I-600	H	Cl	H	O	3-methoxyphenyl	2-chloro-4,5,6,7-tetrahydro-1-benzothiophen-7-yl	4.18[a]
I-601	H	Cl	H	O	3-(trifluoromethyl)phenyl	[1-(4-methylphenyl)cyclopropyl]methyl	4.58[a]
I-602	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-[2-(1-methyl-1H-triazol-4-yl)phenyl]ethyl	3.26[a]
I-603	H	Cl	H	O	3-(trifluoromethyl)phenyl	naphthalen-2-ylmethyl	4.23[a]

TABLE 1-continued

Compounds according to formula (I)

(I)

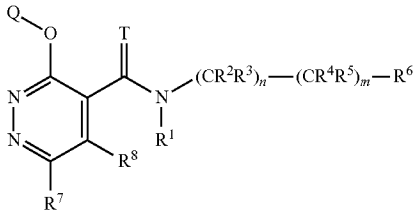


Ex No	R^1	R^7	R^8	T	Q	$(CR^2R^3)_n—(CR^4R^5)_m—R^6$	LogP
I-604	H	methyl	methyl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.66[a]
I-605	H	acetyl	H	O	3-(trifluoromethyl)phenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	4.49[a]
(*) I-606	H	methyl	H	O	3-(trifluoromethyl)phenyl	rac-2-chloro-4,5,6,7-tetrahydro-1-benzothiophen-7-yl	4.20[a]
I-607	H	Cl	H	O	3-cyclopropyl-2-fluorophenyl	2-(4-bromo-2-chlorophenyl)-2,2-difluoroethyl	4.82[a]
I-608	H	Cl	H	O	2-fluoro-3-methoxyphenyl	2-chloro-4,5,6,7-tetrahydro-1-benzothiophen-7-yl	4.16[a]
I-609	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-[4-(difluoromethoxy)phenyl]ethyl	3.85[a]
I-610	H	methyl	pyridin-2-yl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.86[a];3.96[b]
I-611	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(4-methyl-2-pyridin-2-ylphenyl)ethyl	3.81[a]
I-612	H	methyl	H	O	3-cyclopropylphenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	4.29[a]
I-613	H	methyl	H	O	3-cyclopropyl-2-fluorophenyl	2-(2-methyl-1,3-benzoxazol-4-yl)ethyl	3.06[a]
I-614	H	methyl	H	O	3-(trifluoromethyl)phenyl	rac-6-(oxan-4-yl)-1,2,3,4-tetrahydronaphthalen-1-yl	3.83[a]
I-615	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(2,3-dimethylphenyl)-2,2-difluoroethyl	4.46[a]
I-616	H	Cl	H	O	3-(difluoromethyl)phenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	3.86[a]
I-617	H	Cl	H	O	3-(trifluoromethyl)phenyl	rac-2-methyl-4,5,6,7-tetrahydro-1-benzothiophen-7-yl	4.36[a]
I-618	H	Cl	H	O	3-methoxyphenyl	2-(4-bromo-2-chlorophenyl)-2,2-difluoroethyl	4.27[a]
I-619	H	Cl	H	O	3-(difluoromethyl)-2-fluorophenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	4.16[a]
I-620	H	methyl	H	O	3-cyclopropylphenyl	2-(2,4-dichlorophenyl)-2,2-difluoroethyl	4.26[a]
I-621	H	methyl	H	O	3-(trifluoromethyl)phenyl	rac-6-cyclopropyl-1,2,3,4-tetrahydronaphthalen-1-yl	4.32[a]
I-622	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(3,4-dimethylphenyl)-2,2-difluoroethyl	4.44[a]
I-623	H	3-chloropyridin-4-yl	H	O	2,3-difluorophenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.01[a]
I-624	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(2-cyclopropyl-4-methylphenyl)ethyl	4.76[a]
I-625	H	methyl	H	O	3-cyclopropylphenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.14[a]

TABLE 1-continued

Compounds according to formula (I)

(I)

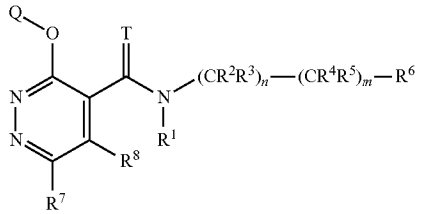


Ex No	R^1	R^7	R^8	T	Q	$(CR^2R^3)_n—(CR^4R^5)_m—R^6$	LogP
I-626	H	Cl	H	O	2-fluoro-3-methoxyphenyl	rac-7-bromo-1,2,3,4-tetrahydronaphthalen-1-yl	4.13[a]
I-627	H	Cl	H	O	3-(trifluoromethyl)phenyl	2 2-difluoro-2-(2-fluoro-4,6-dimethylphenyl)ethyl	4.34[a]
I-628	H	methyl	H	O	3-(trifluoromethyl)phenyl	2-[2-(trifluoromethyl)phenyl]cyclopropyl	3.77[a]
I-629	H	Cl	H	O	3-methoxyphenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	4.23[a]
I-630	H	Cl	H	O	3-(difluoromethyl)-2-fluorophenyl	2-(4-bromo-2-chlorophenyl)-2,2-difluoroethyl	4.20[a]
I-631	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(2-ethynyl-4-methylphenyl)ethyl	4.24[a]
I-632	H	methyl	H	O	3-cyclopropyl-2-fluorophenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	4.36[a]
I-633	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-[2-chloro-4-(trifluoromethyl)phenoxy]-2,2-difluoroethyl	4.58[a]
I-634	H	methyl	H	O	3-(trifluoromethyl)phenyl	1-[(4-chlorophenyl)methyl]cyclopropyl	3.73[a]
I-635	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(5-chloropyrimidin-2-yl)ethyl	3.05[a]
I-636	H	cyclopropyl	2-methoxyethyl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.57[a]
(*) I-637	H	Cl	H	O	3-(difluoromethyl)-2-fluorophenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	4.08[a]
I-638	H	methyl	H	O	3-cyclopropyl-2-fluorophenyl	2-(2,4-dichlorophenyl)-2,2-difluoroethyl	4.34[a]
I-639	H	Cl	H	O	3-(trifluoromethyl)phenyl	rac-2-chloro-4,5,6,7-tetrahydro-1-benzothiophen-4-yl	4.68[a]
I-640	H	Cl	H	O	3-cyclopropylphenyl	2-(4-bromo-2-chlorophenyl)-2,2-difluoroethyl	4.90[a]
I-641	H	methyl	H	O	3-(trifluoromethyl)phenyl	1-[(4-methoxyphenyl)methyl]cyclopropyl	3.30[a]
I-642	H	cyclopropyl	methyl	O	3-(trifluoromethyl)phenyl	2-(2,4-dichlorophenyl)-2,2-difluoroethyl	4.43[a]
I-643	H	3-chloropyridin-4-yl	H	O	3-(trifluoromethyl)phenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	4.41[a]
I-644	H	methyl	H	O	3-cyclopropyl-2-fluorophenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.21[a]
I-645	H	Cl	cyclopropylamino	O	3-cyclopropyl-2-fluorophenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.21[a]

TABLE 1-continued

Compounds according to formula (I)

(I)

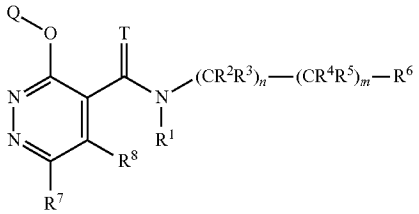


Ex No	R^1	R^7	R^8	T	Q	$(CR^2R^3)_n—(CR^4R^5)_m—R^6$	LogP
I-646	H	Cl	H	O	2,3-difluorophenyl	1-[3-(trifluoromethyl)phenyl]ethyl	3.76[a]
I-647	H	Cl	H	O	3-(trifluoromethyl)phenyl	rac-2-(4-chlorophenyl)-2-fluorocyclopropyl	4.11[a]
I-648	H	Cl	cyclopropylamino	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.19[a]
I-649	H	pyridin-4-yl	methyl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.44[a]
I-650	H	cyclopropyl	cyclopropylamino	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.10[a]
I-651	H	3-chloropyridin-4-yl	H	O	3-(trifluoromethyl)phenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	4.49[a]
I-652	H	Cl	H	O	5-cyclopropylpyridin-3-yl	2-(4-bromo-2-chlorophenyl)-2,2-difluoroethyl	3.63[a];3.94[b]
I-653	H	H	2-methoxyethyl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.94[a]
I-654	H	3-chloropyridin-4-yl	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dichlorophenyl)-2,2-difluoroethyl	4.46[a]
I-655	H	Cl	methyl	O	3-cyclopropyl-2-fluorophenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.49[a]
I-656	H	Cl	H	O	2-fluoro-3-methoxyphenyl	rac-2-methyl-4,5,6,7-tetrahydro-1-benzothiophen-7-yl	3.96[a]
I-657	H	Cl	isopropyl	O	3-(trifluoromethyl)phenyl	2-(4-bromo-2-chlorophenyl)-2,2-difluoroethyl	5.17[a]
I-658	H	Cl	H	O	5-cyclopropylpyridin-3-yl	2-(4-chlorophenyl)-2,2-difluoroethyl	3.19[a];3.50[b]
I-659	H	pyridin-4-yl	methyl	O	3-(trifluoromethyl)phenyl	2-(2,4-dichlorophenyl)-2,2-difluoroethyl	3.55[a]
I-660	H	3-chloropyridin-4-yl	cyclopropylamino	O	3-(trifluoromethyl)phenyl	2-(4-chlorophenyl)-2,2-difluoroethyl	4.03[a];4.15[b]
I-661	H	3-chloropyridin-4-yl	H	O	3-(trifluoromethyl)phenyl	2-(4-bromo-2-chlorophenyl)-2,2-difluoroethyl	4.54[a]
I-662	H	2-cyanoethyl	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.78[a]
I-663	H	Cl	methyl	O	3-bromo-2-fluorophenyl	rac-2-(2-chloro-4-cyclopropylphenyl)-2-fluoroethyl	4.55[a]
I-664	H	Cl	F	O	3-cyclopropyl-2-fluorophenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.74[a]
I-665	H	Cl	H	O	3-(1-fluorocyclopropyl)phenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	4.56[a]
I-666	H	Cl	H	O	3-(rac-2,2-difluorocyclopropyl)phenyl	2-(2,4-dimethylphenyl)ethyl	4.39[a]
I-667	H	Cl	methyl	O	3-bromo-2-fluorophenyl	2-(2-chloro-4-methylphenyl)-2,2-difluoroethyl	4.33[a]

TABLE 1-continued

Compounds according to formula (I)

(I)

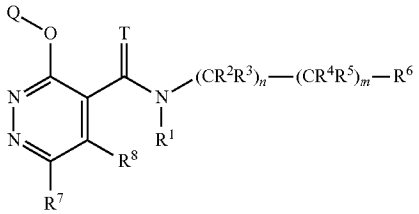


Ex No	R^1	R^7	R^8	T	Q	$(CR^2R^3)_n—(CR^4R^5)_m—R^6$	LogP
I-668	H	Cl	methyl	O	3-bromo-2-fluorophenyl	2-(4-bromo-2-methylphenyl)-2,2-difluoroethyl	4.59[a]
I-669	H	Cl	methyl	O	3-bromo-2-fluorophenyl	rac-2-(2-chloro-4-methylphenyl)-2-fluoroethyl	4.26[a]
I-670	H	Cl	methyl	O	3-bromo-2-fluorophenyl	rac-2-(2,4-dimethylphenyl)-2-fluoroethyl	4.23[a]
I-671	H	Cl	methyl	O	3-brmo-2-fluorophenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	4.47[a]
I-672	H	Cl	H	O	3-(3-fluoroprop-1-en-2-yl)phenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	4.39[a]
I-673	H	methyl	H	O	3-(trifluoromethyl)phenyl	(2,4-dimethylphenoxy)methyl	3.79[a]
I-674	H	methyl	H	O	3-(trifluoromethyl)phenyl	(4-chlorophenoxy)methyl	3.55[a]
I-675	H	Cl	H	O	3-ethynyl-2-fluorophenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	4.30[a]
I-676	H	Cl	H	O	2-fluoro-3-prop-1-en-1-ylphenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	5.00[a]
I-677	H	Cl	H	O	3-ethynyl-2-fluorophenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	4.18[a]
I-678	H	Cl	H	O	5-(difluoromethyl)pyridin-3-yl	rac-2-(4-bronno-2-chlorophenyl)-2-fluoroethyl	3.54[a]
I-679	H	Cl	4-carboxybutyl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.81[a]
I-680	H	Cl	H	O	5-(difluoromethyl)pyridin-3-yl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.46[a]
I-681	H	Cl	H	O	3-ethynyl-2-fluorophenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.13[a]
I-682	H	Cl	H	O	5-(trifluoromethyl)-3-thienyl	rac-2-(4-bronno-2-chlorophenyl)-2-fluoroethyl	4.72[a]
I-683	H	Cl	rac-(2,2-difluorocyclopropyl) methoxy	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.95[a]
I-684	H	Cl	allyloxy	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.87[a]
I-685	H	(cyclopropylamino) carbonyl	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.39[a]
I-686	H	Cl	H	O	2-fluoro-3-[rac-oxiran-2-yl]phenyl	2-(2,4-dimethylphenyI)-2,2-difluoroethyl	3.96[a]

TABLE 1-continued

Compounds according to formula (I)

(I)

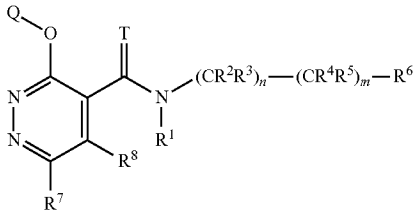


Ex No	R^1	R^7	R^8	T	Q	$(CR^2R^3)_n—(CR^4R^5)_m—R^6$	LogP
I-687	H	Cl	2-ethoxyethoxy	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyI)-2,2-difluoroethyl	4.72[a]
I-688	H	Cl	(E)-4,4,4-trifluorobut-2-enoxy	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	5.14[a]
I-689	CN	Cl	methyl	O	3-(trifluoromethyl)phenyl	2-(4-chlorophenyl)ethyl	4.77[a]
I-690	H	Cl	methyl	O	5-(difluoromethyl)pyridin-3-yl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.46[a]
I-691	H	methyl	H	O	3-(trifluoromethyl)phenyl	2-(4-methyl-1H-pyrazol-1-yl)ethyl	2.58[a]
I-692	H	Cl	methyl	O	2-fluoro-3-vinylphenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.41[a]
I-693	H	Cl	methyl	O	fluorocyclopropyl)phenyl	2-(2,4-dimethylphenyl)ethyl	4.20[a]
I-694	H	Cl	methyl	O	3-(rac-2,2-difluorocyclopropyl)phenyl	2-(2,4-dimethylphenyl)ethyl	4.13[a]
I-695	H	Cl	methyl	O	3-(rac-2,2-difluorocyclopropyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.30[a]
I-696	H	Cl	methyl	O	3-(rac-2,2-difluorocyclopropyl)phenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	4.27[a]
I-697	OH	Cl	H	O	3-(trifluoromethyl)phenyl	2-(4-chlorophenyl)ethyl	3.74[a]
I-698	H	Cl	H	O	2-fluoro-3-[rac-oxiran-2-yl]phenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	4.15[a]
(*) I-699	H	Cl	H	O	3-(rac-2-fluorocyclopropyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.47[a]
(*) I-700	H	Cl	H	O	3-(rac-2-fluorocyclopropyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.37[a]
I-701	H	Cl	H	O	2-fluoro-3-[rac-oxiran-2-yl]phenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	4.08[a]
I-702	H	methyl	(2-methyl-1,3-dioxolan-4-yl)methylamino	O	3-cyclopropyl-2-fluorophenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.82[a]
(*) I-703	H	Cl	methyl	O	3-cyclopropyl-2-fluorophenyl	2-(2,4-dichlorophenyl)-2-fluoroethyl	4.51[a]
(*) I-704	H	Cl	methyl	O	3-cyclopropyl-2-fluorophenyl	2-(2,4-dichlorophenyl)-2-fluoroethyl	4.51[a]
(*) I-705	H	cyclopropyl	H	O	3-(trifluoromethyl)phenyl	2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	4.85[a]
(*) I-706	H	cyclopropyl	H	O	3-(trifluoromethyl)phenyl	2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	4.85[a]
I-707	H	Cl	methyl	O	3-(trifluoromethyl)phenyl	rac-2-(3,4-dimethylphenyl)-2-fluoroethyl	4.30[a]

TABLE 1-continued

Compounds according to formula (I)

(I)

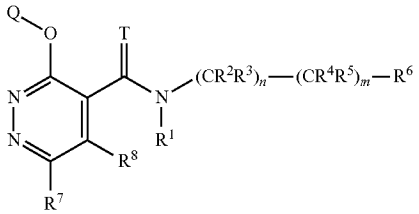


Ex No	R^1	R^7	R^8	T	Q	$(CR^2R^3)_n—(CR^4R^5)_m—R^6$	LogP
I-708	H	Cl	methyl	O	3-(trifluoromethyl)phenyl	rac-2-[4-(difluoromethyl)-2-methylphenyl]-2-fluoroethyl	4.05[a]
I-709	H	Cl	methyl	O	3-(trifluoromethyl)phenyl	rac-2-(2-chloro-4-methylphenyl)-2-fluoroethyl	4.40[a]
I-710	H	Cl	methyl	O	3-(trifluoromethyl)phenyl	rac-2-(4-chloro-2-methylphenyl)-2-fluoroethyl	4 44[a]
I-711	H	Cl	methyl	O	3-(trifluoromethyl)phenyl	rac-2-(2-chloro-4-cyclopropylphenyl)-2-fluoroethyl	4.70[a]
I-712	H	Cl	methyl	O	3-(trifluoromethyl)phenyl	rac-2-(4-bromo-2-methylphenyl)-2-fluoroethyl	4.55[a]
I-713	H	Cl	methyl	O	3-cyclopropyl-2-fluorophenyl	rac-2-(3,4-dimethylphenyl)-2-fluoroethyl	4.40[a]
I-714	H	Cl	methyl	O	3-cyclopropyl-2-fluorophenyl	rac-2-[4-(difluoromethyl)-2-methylphenyl]-2-fluoroethyl	4.12[a]
I-715	H	Cl	methyl	O	3-cyclopropyl-2-fluorophenyl	rac-2-(4-chloro-3-methoxyphenyl)-2-fluoroethyl	4.08[a]
I-716	H	Cl	methyl	O	3-cyclopropyl-2-fluorophenyl	rac-2-(3,4-dichlorophenyl)-2-fluoroethyl	4.51[a]
I-717	H	Cl	methyl	O	3-cyclopropyl-2-fluorophenyl	rac-2-(2-chloro-4-methylphenyl)-2-fluoroethyl	4.47[a]
I-718	H	Cl	methyl	O	3-cyclopropyl-2-fluorophenyl	rac-2-(4-chloro-2-methylphenyl)-2-fluoroethyl	4.55[a]
I-719	H	Cl	methyl	O	3-cyclopropyl-2-fluorophenyl	rac-2-(2-chloro-4-cyclopropylphenyl)-2-fluoroethyl	4.78[a]
I-720	H	Cl	methyl	O	3-cyclopropyl-2-fluorophenyl	rac-2-(4-bromo-2-methylphenyl)-2-fluoroethyl	4.66[a]
(*) I-721	H	Cl	H	O	3-cyclopropyl-2-fluorophenyl	2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	5.00[a]
(*) I-722	H	Cl	H	O	3-cyclopropyl-2-fluorophenyl	2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	5.00[a]
(*) I-723	H	Cl	methyl	O	3-methoxyphenyl	2-(2,4-dichlorophenyl)-2-fluoroethyl	3.94[a]
(*) I-724	H	Cl	methyl	O	3-methoxyphenyl	2-(2,4-dichlorophenyl)-2-fluoroethyl	3.94[a]
(*) I-725	H	methyl	methyl	O	3-chlorophenyl	2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	3.81[a]
(*) I-726	H	methyl	methyl	O	3-chlorophenyl	2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	3.81[a]

TABLE 1-continued

Compounds according to formula (I)

(I)

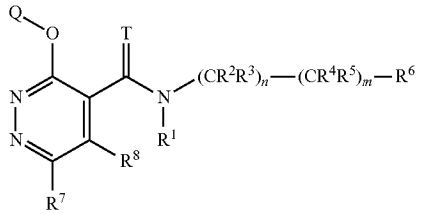


Ex No	R^1	R^7	R^8	T	Q	$(CR^2R^3)_n—(CR^4R^5)_m—R^6$	LogP
I-727	H	Cl	H	O	1-benzothiophen-6-yl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.47[a]
I-728	H	Cl	H	O	6,7-dihydro-5H-cyclopenta[b]pyridin-3-yl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.40[a]
(*) I-729	H	Cl	H	O	2,3-difluorophenyl	2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	4.37[a]
(*) I-730	H	Cl	H	O	2,3-difluorophenyl	2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	4.37[a]
I-731	H	Cl	H	O	3-ethyl-2-fluorophenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.85[a]
I-732	H	Cl	H	O	rac-indan-1-yl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	5.16[a]
(*) I-733	H	Cl	H	O	3-cyclopropylphenyl	2-(2,4-dichlorophenyl)-2-fluoroethyl	4.85[a]
(*) I-734	H	Cl	H	O	3-cyclopropylphenyl	2-(2,4-dichlorophenyl)-2-fluoroethyl	4.85[a]
(*) I-735	H	methyl	H	O	2-fluoro-3-(trifluoromethyl)phenyl	2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	4.33[a]
(*) I-736	H	methyl	H	O	2-fluoro-3-(trifluoromethyl)phenyl	2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	4.33[a]
I-737	H	Cl	methyl	O	2-fluoro-3-[rac-2,2-difluorocyclopropyl]phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.37[a]
I-738	H	Cl	methyl	O	2-fluoro-3-[rac-2,2-difluorocyclopropyl]phenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	4.33[a]
I-739	methoxy	Cl	methyl	O	3-cyclopropyl-2-fluorophenyl	2-(2,4-dichlorophenyl)ethyl	5.36[a]
I-740	methoxy	Cl	H	O	3-cyclopropyl-2-fluorophenyl	2-(2,4-dichlorophenyl)ethyl	5.12[a]
(*) I-741	H	methyl	methyl	O	3-(trifluoromethyl)phenyl	2-(2,4-dichlorophenyl)-2-fluoroethyl	3.88[a]
(*) I-742	H	methyl	methyl	O	3-(trifluoromethyl)phenyl	2-(2,4-dichlorophenyl)-2-fluoroethyl	3.88[a]
(*) I-743	H	Cl	H	O	3-(difluoromethyl)-2-fluorophenyl	2-(2,4-dichlorophenyl)-2-fluoroethyl	4.26[a]
(*) I-744	H	Cl	H	O	3-(difluoromethyl)-2-fluorophenyl	2-(2,4-dichlorophenyl)-2-fluoroethyl	4.26[a]
I-745	methoxy	methyl	H	O	3-cyclopropylphenyl	2-(2,4-dimethylphenyl)ethyl methyl	4.26[a]
I-746	H	Cl	methyl	O	3-cyclopropyl-2-fluorophenyl	2-(2-chloro-4-methylphenyl)-2,2-difluoroethyl	4.55[a]
I-747	H	Cl	methyl	O	3-cyclopropyl-2-fluorophenyl	2-(4-chloro-2-methylphenyl)-2,2-difluoroethyl	4.74[a]

TABLE 1-continued

Compounds according to formula (I)

(I)

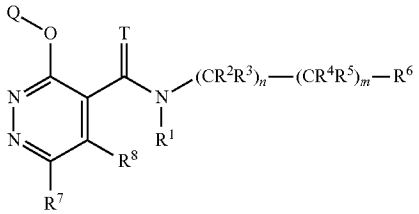


Ex No	R^1	R^7	R^8	T	Q	$(CR^2R^3)_n—(CR^4R^5)_m—R^6$	LogP
I-748	H	Cl	methyl	O	3-cyclopropyl-2-fluorophenyl	2-(4-bromo-2-methylphenyl)-2,2-difluoroethyl	4.81[a]
I-749	H	Cl	methyl	O	3-cyclopropyl-2-fluorophenyl	2-(3,4-dimethylphenyl)-2,2-difluoroethyl	4.51[a]
I-750	H	Cl	methyl	O	3-(difluoromethyl)-2-fluorophenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.19[a]
I-751	H	Cl	I	O	3-cyclopropy1-2-fluorophenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.67[a]
I-752	ethoxy	Cl	methyl	O	3-cyclopropyl-2-fluorophenyl	benzyl	4.55[a]
I-753	2-methyl proopoxy	Cl	methyl	O	3-cyclopropyl-2-fluorophenyl	benzyl	5.20[a]
I-754	H	methyl	H	O	3-cyclopropylphenyl	rac-1-cyano-2-(2,4-dimethylphenyl)ethyl	3.94[a]
I-755	H	oxan-4-yl	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.11[a]
I-756	H	Cl	cyclopropylamino	O	3-cyclopropyl-2-fluorophenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	4.34[a]
I-757	H	Cl	nnethylamino	O	3-cyclopropyl-2-fluorophenyl	2-(2,4-dichlorophenyl)ethyl	4.09[a]
I-758	H	Cl	I	O	3-cyclopropyl-2-fluorophenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	4.73[a]
I-759	H	Cl	I	O	3-cyclopropyl-2-fluorophenyl	2-(2,4-dichlorophenyl)ethyl	4.81[a]
I-760	H	methyl	cyclopropylamino	O	3-cyclopropyl-2-fluorophenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.68[a]
I-761	H	Cl	methylamino	O	3-cyclopropyl-2-fluorophenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	4.11[a]
I-762	H	Cl	H	O	3-cyclopropyl-2-fluorophenyl	rac-2-(2,4-dimethylphenyl)-2-fluoroethyl	4.61[a]
I-763	H	Cl	methyl	O	3-(trifluoromethyl)phenyl	rac-2-(2,4-dimethylphenyl)-2-fluoroethyl	4.25[a]
I-764	H	Cl	H	O	2-fluoro-3-(1-fluorocyclopropyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.55[a]
I-765	H	Cl	H	O	2-fluoro-3-(1-fluorocyclopropyl)phenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	4.59[a]

TABLE 1-continued

Compounds according to formula (I)

(I)

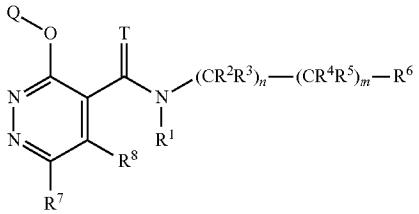


Ex No	R^1	R^7	R^8	T	Q	$(CR^2R^3)_n—(CR^4R^5)_m—R^6$	LogP
I-766	H	Cl	methyl	O	2-fluoro-3-(1-fluorocyclopropyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.40[a]
I-767	H	methylsulfanyl	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.72[a]
I-768	H	ethylsulfanyl	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	5.08[a]
I-769	H	Cl	H	O	1H-indol-5-yl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.78[a]
I-770	H	Cl	H	O	3-ethynylphenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	4.30[a]
I-771	H	rac-ethylsulfinyl	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.83[a]
I-772	H	methyl	H	O	3-(trifluoromethyl)phenyl	(Z)-2-(2,4-dimethylphenyl)ethen-1-yl	4.54[a]
I-773	H	Cl	methyl	O	3-cyclopropyl-2-fluorophenyl	rac-2-(2,4-dimethylphenyl)-2-fluoroethyl	4.37[a]
I-774	H	I	methyl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.59[a]
I-775	H	methyl	methylamino	O	3-cyclopropyl-2-fluorophenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.29[a]
I-776	H	methyl	methylamino	O	3-cyclopropyl-2-fluorophenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	3.31[a]
I-777	H	Cl	methyl	O	3-(trifluoromethyl)phenyl	2-(4,5-dimethyl-3-thienyl)ethyl	4.08[a]
I-778	H	Cl	methyl	O	3-(trifluoromethyl)phenyl	rac-2-methyl-4,5,6,7-tetrahydro-1-benzothiophen-7-yl	4.30[a]
I-779	H	methyl	methoxy	O	3-cyclopropyl-2-fluorophenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.01[a]
I-780	H	Cl	H	O	2-fluoro-3-vinylphenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.53[a]
I-781	H	rac-methylsulfinyl	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.65[a]
I-782	H	Cl	OH	O	3-cyclopropyl-2-fluorophenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	5.13[a]
I-783	H	Cl	methoxy	O	3-cyclopropyl-2-fluorophenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	4.51[a]
I-784	H	Cl	methyl	O	3-chloro-2-fluorophenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.37[a]
I-785	prop-1-en-2-yloxy-carbonyl	Cl	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	5.51[a]
I-786	H	Cl	methyl	O	3-chloro-2-fluorophenyl	2-(4-cyclopropyl-2-methylphenyl)-2,2-difluoroethyl	4.62[a]

TABLE 1-continued

Compounds according to formula (I)

(I)



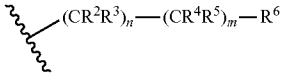
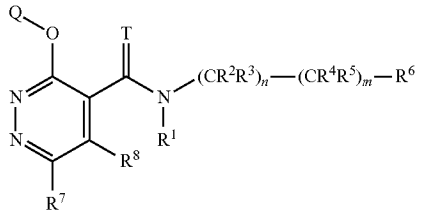
Ex No	R^1	R^7	R^8	T	Q		LogP
I-787	H	Cl	methyl	O	3-cyclopropyl-2-fluorophenyl	2-(2,4-dimethylphenyl)ethyl	4.44[a]
I-788	H	Cl	methyl	O	3-chloro-2-fluorophenyl	2-(2-chloro-4-methylphenyl)-2,2-difluoroethyl	4.26[a]
I-789	H	Cl	methyl	O	3-chloro-2-fluorophenyl	2-(4-chloro-2-methylphenyl)-2,2-difluoroethyl	4.47[a]
I-790	H	Cl	methyl	O	3-chlorophenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.27[a]
I-791	H	Cl	H	O	2-fluoro-3-vinylphenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	4.63[a]
I-792	H	Cl	H	O	3-acetylphenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	3.81[a]
I-793	H	1-(tert-butoxycarbonyl) azetidin-3-yl	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.64[a]
I-794	H	rac-oxolan-3-yl	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.78[a]
I-795	H	3,3,3-trifluoropropyl	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.51[a]
I-796	H	2-methoxyethyl	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.00[a]
I-797	H	benzyl	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.95[a]
I-798	H	cyclobutylmethyl	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	5.02[a]
I-799	H	(cyclopropylamino) carbonyl	methyl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.92[a]
I-800	H	methyl	methyl	S	3-(trifluoromethyl)phenyl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	4.63[a]
I-801	H	propylaminocarbonyl	methyl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.25[a]
I-802	H	2-hydroxyethyl	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.35[a]
I-803	H	3-ethoxy-3-oxopropyl	H	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.37[a]
I-804	H	Cl	2-methylsulfanylethyl amino	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.56[a]
I-805	H	Cl	(2-methyl-1,3-dioxolan-4-yl)methylamino	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.37[a]
I-806	H	Cl	2-rac-but-3-en-2-ylamino	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.72[a]
I-807	H	Cl	2-methoxyethylamino	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.25[a]
I-808	H	Cl	2-methoxyethylthio	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.64[a]

TABLE 1-continued

Compounds according to formula (I)

(I)

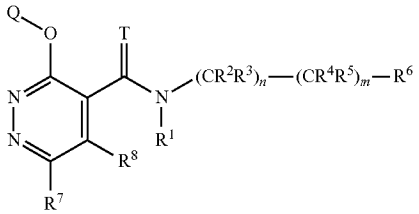


Ex No	R^1	R^7	R^8	T	Q	$(CR^2R^3)_n—(CR^4R^5)_m—R^6$	LogP
I-809	H	Cl	2-cyclopropylethylamino	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.95[a]
I-810	H	Cl	(1-methylcyclopropyl) amino	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.56[a]
I-811	H	Cl	2,2,2-trifluoroethylthio	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.92[a]
I-812	H	Cl	(2-cyclopropylcyclo-propyl)amino	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.87[a]
I-813	H	Cl	H	O	2,3-dihydro-1-benzofuran-5-yl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.96[a]
I-814	H	Cl	H	O	3-(methoxymethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.99[a]
I-815	H	Cl	H	O	3-cyano-2-fluorophenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.79[a]
I-816	H	Cl	H	O	2-fluoro-3-methylphenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.37[a]
I-817	H	Cl	H	O	3-methylphenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.34[a]
I-818	H	Cl	H	O	2-fluoro-3-methylsulfanylphenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.37[a]
I-819	H	Cl	H	O	3-(trifluoromethylthio)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.88[a]
I-820	H	Cl	H	O	2-fluoro-3-(trifluoromethoxy)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.66[a]
I-821	H	Cl	morpholin-4-yl	O	3-(trifluoromethyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.27[a]
I-822	H	Cl	methyl	O	3-chlorophenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	4.37[a]
I-823	H	methyl	H	O	3-cyclopropyl-2-fluorophenyl	rac-2-(2,4-dimethylphenyl)-2-fluoroethyl	4.11[a]
I-824	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(4,5-dimethyl-3-thienyl)ethyl	4.32[a]
I-825	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(2,5-dichloro-3-thienyl)-2,2-difluoroethyl	4.73[a]
I-826	H	Cl	H	O	3-(trifluoromethyl)phenyl	2-(5-methyl-2-furypethyl	3.79[a]
I-827	H	methyl	H	O	3-cyclopropyl-2-fluorophenyl	rac-2-(2,4-dimethylphenyl)-2-hydroxyethyl	3.17[a]
I-828	H	Cl	H	O	5-ethyl-2-(methoxycarbonyl)-3-	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.88[a]

TABLE 1-continued

Compounds according to formula (I)

(I)

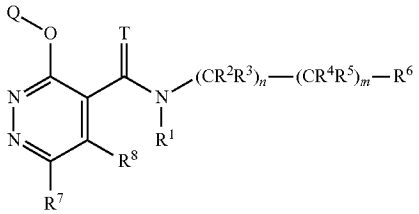


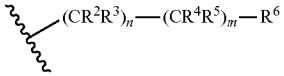
Ex No	R^1	R^7	R^8	T	Q	$(CR^2R^3)_n—(CR^4R^5)_m—R^6$	LogP
					thienyl		
I-829	H	Cl	H	O	3-(1-cyanocyclopropyl)-2-fluorophenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.94[a]
I-830	H	Cl	H	O	1H-indol-6-yl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.90[a]
I-831	H	Cl	H	O	3-(1-fluorocyclopropyl)phenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.49[a]
I-832	H	Cl	H	O	3-(difluoromethoxy)-2-fluorophenyl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	4.17[a]
I-833	H	Cl	methyl	O	3-bronno-2-fluorophenyl	2-(4-cyclopropyl-2-methylphenyl)-2,2-difluoroethyl	4.66[a]
(*) I-834	H	methyl	methyl	O	3-chlorophenyl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	3.69[a]
I-835	H	methyl	methyl	O	3-cyclopropyl-2-fluorophenyl	rac-2-(2-chloro-4-methylphenyl)-2-fluoroethyl	3.81[a]
I-836	H	methyl	methyl	O	3-cyclopropyl-2-fluorophenyl	rac-2-(2,4-dimethylphenyl)-2-fluoroethyl	3.78[a]
I-837	H	methyl	methyl	O	3-cyclopropyl-2-fluorophenyl	rac-2-(2-chloro-4-cyclopropylphenyl)-2-fluoroethyl	4.12[a]
I-838	H	methyl	methyl	O	3-cyclopropyl-2-fluorophenyl	2-(2-chloro-4-methylphenyl)-2,2-difluoroethyl	3.91[a]
I-839	H	methyl	methyl	O	3-cyclopropyl-2-fluorophenyl	2-(3,4-dimethylphenyl)-2,2-difluoroethyl	3.87[a]
I-840	H	Cl	methyl	O	3-cyclopropyl-2-fluorophenyl	2-(2-bromo-4-methylphenyl)-2,2-difluoroethyl	4.57[a]
I-841	H	methyl	methyl	O	3-(difluoromethyl)-2-fluorophenyl	rac-2-(2-chloro-4-methylphenyl)-2-fluoroethyl	3.47[a]
I-842	H	methyl	methyl	O	3-(difluoromethyl)-2-fluorophenyl	2-(4-bromo-2-methylphenyl)-2,2-difluoroethyl	3.81[a]

TABLE 1-continued

Compounds according to formula (I)

(I)



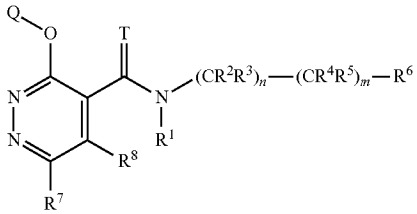
Ex No	R^1	R^7	R^8	T	Q		LogP
I-843	H	Cl	methyl	O	3-chloro-2-fluorophenyl	2-(3,4-dimethylphenyl)-2,2-difluoroethyl	4.25[a]
I-844	H	Cl	methyl	O	3-chloro-2-fluorophenyl	2-(2-bromo-4-methylphenyl)-2,2-difluoroethyl	4.34[a]

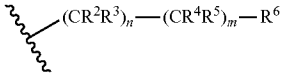
(*) Ex I-016 and I-024 are the 2 enantiomers of Ex I-288
(*) Ex I-142 is 1 enantiomer of Ex I-359
Ex I-142: Optical rotation: -46.40 (c = 1.04, DCM, 25° C.); concentration c is expressed in g/100 mL.
(*) Ex I-147 is 1 enantiomer of Ex I-378
Ex I-147: Optical rotation: +18° (c = 1, MeOH, 20° C.); cocentration c is expressed in g/100 mL.
(*) Ex I-229 is 1 enantiomer of Ex I-195
(*) Ex I-245 is 1 enantiomer of Ex I-356
Ex I-245: Optical rotation: −20° (c = 1, DCM, 25° C.); concentration c is expressed in g/100 mL.
(*) Ex I-380 and I-392 are the 2 enantiomers of Ex 1-606
(*) Ex I-438 and I-448 are two different diastereoisomers
(*) Ex I-091 is (S) Enantiomer and 1-098 is (R) Enantiomer
(*) Ex I-703 and I-704 are the 2 enantiomers of Ex I-267
Ex I-703: Optical rotation: -48.1 (c = 0.92, CDCl3, 25° C.); concentration c is expressed in g/100 mL.
Ex I-704: Optical rotation: +40.7 (c = 1.08, CDCl3, 25° C.); concentration cis expressed in g/100 mL.
(*) Ex I-705 and I-706 are the 2 enantiomers of Ex I-255
Ex I-705: Optical rotation: +52.3° (c = 1.30, CDCl3, 20° C.); concentration c is expressed in g/100 mL.
Ex I-706: Optical rotation: −45.5° (c = 1.32, CDCl3, 20° C.); concentration c is expressed in g/100 mL.
(*) Ex I-721 and I-722 are the 2 enantiomers of Ex I-594
Ex I-721: Optical rotation: +54.4° (c = 1.03, CDCl3, 25° C.); concentration c is expressed in g/100 mL.
Ex I-722: Optical rotation: -50.9° (c = 1, 1, CDCl3, 25° C.); concentration c is expressed in g/100 mL.
(*) Ex I-723 and I-724 are the 2 enantiomers of Ex I-533
Ex I-723: Optical rotation: +50.7° (c = 1.5, CDCl3, 25° C.); concentration c is expressed in g/100 mL.
Ex I-724: Optical rotation: -52.9° (c = 1.55, CDCl3, 25° C.); concentration c is expressed in g/100 mL.
(*) Ex I-725 and I-726 are the 2 enantiomers of Ex I-834
Ex I-725: Optical rotation: +41.9° (c = 1.05, CDCl3, 25° C.); concentration c is expressed in g/100 mL.
Ex I-726: Optical rotation: −47° (c = 1.15, CDCl3, 25° C.); concentration c is expressed in g/100 mL.
(*) Ex I-729 and I-730 are the 2 enantiomers of Ex I-407
Ex I-729: Optical rotation: +48.3° (c = 1.45, CDCl3, 25° C.); concentration c is expressed in g/100 mL.
Ex I-730: Optical rotation: −49.7° (c = 1.45, CDCl3, 25° C.); concentration c is expressed in g/100 mL.
(*) Ex I-733 and I-734 are the 2 enantiomers of Ex I-367

TABLE 1-continued

Compounds according to formula (I)

(I)





Ex No	R^1	R^7	R^8	T	Q		LogP

Ex 1-733: Optical rotation: −57.1° (c = 1.16, CDCl3, 20° C.); concentration c is expressed in g/100 mL.
Ex 1-734: Optical rotation: +55.5° (c = 1.23, CDCl3, 20° C.); concentration c is expressed in g/100 mL.
(*) Ex I-735 and I-736 are the 2 enantiomers of Ex I-233
Ex I-735: Optical rotation: -47.4° (c = 1.27, CDCl3, 20° c.); concentration c is expressed in g/100 mL.
Ex I-736: Optical rotation: +55° c. (c = 1.09, CDCl3, 20° c.); concentration c is expressed in g/100 mL.
(*) Ex I-741 and I-742 are the 2 enantiomers of Ex I-423
Ex I-741: Optical rotation: +39.8° (c = 1.16, CDCl3, 25° c.); concentration c is expressed in g/100 mL.
Ex I-742: Optical rotation: −38.3° (c = 1.10, CDCl3, 25° c.); concentration c is expressed in g/100 mL.
(*) Ex I-743 and I-744 are the 2 enantiomers of Ex I-637
Ex I-743: Optical rotation: +52.4° (c = 0.65, CDCl3, 25° c.); concentration c is expressed in g/100 mL.
Ex I-744: Optical rotation: −46.7° (c = 0.69, CDCl3, 25° c.); concentration c is expressed in g/100 mL.
(*) Ex I-438 and I-448 are two different diastereoisomers
(*) Ex I-699 and I-700 are two different diastereoisomers

TABLE 2

I-001: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 8.8107 (1.9); 8.7970 (3.8); 8.7833 (2.0); 8.3165 (0.4); 8.0884 (16.0); 7.7558 (1.5); 7.7366 (4.8); 7.7171 (5.0); 7.7022 (6.2); 7.6828 (2.5); 7.6550 (7.0); 7.6181 (0.4); 7.5866 (4.1); 7.5661 (3.3); 7.5043 (8.2); 7.4992 (8.6); 7.3845 (6.3); 7.3638 (7.6); 7.3383 (0.5); 7.1510 (4.5); 7.1460 (4.6); 7.1305 (3.9); 7.1254 (3.9); 7.0066 (0.4); 7.0007 (0.4); 3.9025 (2.6); 3.5968 (2.5); 3.5803 (6.9); 3.5649 (7.0); 3.5485 (2.7); 3.5067 (0.5); 3.4896 (0.4); 3.3264 (161.0); 2.9776 (5.0); 2.9609 (9.7); 2.9440 (4.4); 2.9082 (0.6); 2.8930 (0.3); 2.6709 (2.3); 2.5057 (317.3); 2.5019 (387.2); 2.3286 (2.2); 2.2534 (0.3); 1.2979 (0.6); 1.2581 (0.9); 1.2335 (1.1); −0.0007 (1.1)
I-002: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 9.1785 (5.5); 9.1628 (5.9); 9.1524 (1.4); 9.1319 (2.4); 9.1111 (1.2); 7.8252 (5.7); 7.8096 (5.5); 7.7985 (1.0); 7.7717 (2.8); 7.7458 (3.3); 7.7303 (3.7); 7.7049 (1.3); 7.6786 (4.0); 7.6218 (2.4); 7.5947 (1.7); 7.3465 (3.4); 7.3199 (3.9); 7.1036 (4.4); 6.9516 (2.4); 6.9251 (2.1); 4.1799 (1.2); 4.1595 (1.3); 4.1313 (2.8); 4.1101 (2.7); 4.0972 (0.9); 4.0814 (1.5); 4.0734 (2.0); 4.0609 (1.4); 4.0498 (1.7); 4.0259 (0.6); 3.3599 (89.4); 3.3375 (1.3); 2.5344 (25.6); 2.5285 (18.1); 2.4502 (11.3); 2.2500 (16.0); 2.0219 (6.7); 1.2694 (0.4); 1.2309 (1.8); 1.2072 (3.6); 1.1835 (1.8); 0.0327 (16.7); 0.0217 (0.6)
I-003: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5782 (0.9); 7.5653 (0.8); 7.5336 (2.9); 7.5225 (3.1); 7.5161 (3.2); 7.4008 (1.2); 7.3963 (1.3); 7.3750 (1.7); 7.3706 (1.7); 7.3275 (2.8); 7.3180 (3.4); 7.2986 (11.6); 7.2613 (1.0); 7.2362 (2.4); 7.2104 (2.0); 7.2000 (2.0); 7.1960 (2.1); 7.1754 (0.8); 4.1701 (0.3); 4.1461 (0.3); 3.9709 (1.0); 3.9529 (1.9); 3.9315 (1.8); 3.9132 (1.0); 3.3334 (1.9); 3.3126 (2.2); 3.2932 (1.6); 2.6079 (0.6); 2.4944 (16.0); 2.3772 (15.2); 2.1243 (0.6); 2.0818 (2.3); 1.6144 (1.2); 1.3202 (0.6); 1.2963 (1.3); 1.2727 (0.4); 0.9731 (0.5); 0.1075 (2.8); 0.0377 (13.7)
I-004: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.8801 (5.5); 8.7013 (3.9); 8.6934 (3.9); 8.6233 (3.1); 8.6070 (3.2); 8.1063 (1.9); 8.0861 (2.7); 8.0677 (1.9); 8.0072 (2.0); 7.9899 (1.2); 7.7353 (0.7); 7.6895 (7.3); 7.6122 (0.4); 7.5747 (4.3); 7.5410 (2.0); 7.5304 (2.4); 7.5238 (2.3); 7.5117 (2.0); 7.3957 (3.3); 7.3692 (3.7); 7.2987 (7.6); 7.0850 (4.5); 6.9983 (2.5); 6.9715 (2.2); 4.3481 (1.6); 4.3284 (1.6); 4.2999 (3.3); 4.2803 (3.2); 4.2516 (1.8); 4.2321 (1.7); 2.5291 (12.1); 2.3216 (16.0); 1.2928 (0.5); 0.0370 (4.7)
I-005: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.2222 (1.6); 9.2020 (1.7); 7.7554 (0.7); 7.7357 (2.0); 7.7160 (1.8); 7.6901 (2.3); 7.6707 (1.1); 7.6394 (2.8); 7.5946 (1.6); 7.5746 (1.2); 7.1221 (3.1); 7.0880 (1.2); 7.0685 (2.1); 7.0314 (3.1); 7.0120 (1.5); 5.1015 (0.9); 5.0830 (1.4); 5.0647 (0.9); 3.3284 (208.8); 2.8981 (1.5); 2.7395 (1.4); 2.5129 (7.1); 2.5088 (9.4); 2.5049 (7.0); 2.3471 (16.0); 2.1837 (0.4); 2.1731 (0.4); 2.1448 (12.8); 2.0469 (13.5); 1.4200 (6.7); 1.4026 (6.6)
I-006: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.2946 (11.9); 8.1686 (1.1); 8.1502 (1.5); 8.1300 (0.8); 8.0174 (3.6); 7.9875 (4.0); 7.9689 (1.9); 7.9486 (1.6); 7.9377 (2.1); 7.9260 (0.4); 7.9152 (0.4); 7.9034 (1.8); 7.8931 (1.5); 7.8721 (2.2); 7.6925 (3.9); 7.6849 (4.1); 7.6276 (0.5); 7.6208 (1.0); 7.6046 (3.2); 7.5982 (5.0); 7.5858 (5.4); 7.5732 (4.6); 7.5666 (6.2); 7.5508 (1.1); 7.5374 (4.9); 7.5179 (0.4); 7.5026 (3.9); 7.4991 (3.7); 7.4963 (3.8); 7.3640 (3.1); 7.3560 (3.0); 7.3344 (2.8); 7.3263 (2.7); 7.2985 (18.6); 7.2533 (2.4); 7.2467 (2.4); 7.2251 (2.0); 7.2184 (2.0); 5.3371 (1.7); 4.5118 (2.0); 4.4913 (1.9); 4.4640 (4.1); 4.4435 (4.0); 4.4161 (2.1); 4.3957 (2.0); 4.3629 (1.0); 2.8001 (0.4); 1.5878 (16.0); 1.2953 (3.2); 0.9421 (0.4); 0.9213 (1.0); 0.8976 (0.5); 0.1098 (0.7); 0.0502 (0.7); 0.0394 (17.8); 0.0286 (0.8)
I-007: ^{1}H-NMR(400.0 MHz, CD3CN):
δ = 7.9751 (5.5); 7.7515 (0.5); 7.7212 (0.5); 7.7015 (1.4); 7.6819 (2.1); 7.6762 (2.0); 7.6565 (0.5); 7.5619 (1.8); 7.5008 (3.2); 7.4788 (2.9); 7.0353 (1.8); 7.0291 (1.9); 6.7473 (1.1); 6.7410 (1.0); 6.7252 (1.0); 6.7189 (1.0); 4.3426 (1.0); 4.3264 (1.0); 4.3085 (2.2); 4.2922 (2.2); 4.2743 (1.2); 4.2580 (1.1); 3.8729 (0.4); 3.7269 (16.0); 2.1444 (6.0); 2.0923 (0.7); 2.0858 (31.8); 1.9713 (0.6); 1.9636 (0.4); 1.9576 (0.9); 1.9517 (5.1); 1.9455 (9.2); 1.9393 (12.5); 1.9332 (8.5); 1.9270 (4.4)
I-008: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 9.2567 (1.1); 8.5764 (1.2); 8.3948 (16.0); 8.1448 (1.5); 7.9650 (4.9); 7.8949 (3.4); 7.8666 (5.0); 7.7524 (3.8); 7.7467 (3.6); 7.7241 (2.6); 7.7184 (2.6); 7.7001 (2.4); 7.6814 (2.3); 7.6397 (6.9); 7.6223 (8.3); 7.5949 (0.4); 7.5140 (3.9); 7.4790 (0.4); 7.4661 (1.7); 7.4579 (1.7); 7.4539 (1.3); 7.4499 (2.7); 7.4437 (2.2); 7.4360 (1.4); 7.4277 (1.0); 7.2985 (31.8); 5.3366 (14.7); 4.9694 (7.8); 4.9496 (7.8); 2.0815 (1.5); 1.6437 (3.3); 1.3194 (0.3); 1.2954 (1.2); 1.2811 (0.4); 1.2717 (0.4); 0.1072 (1.9); 0.0477 (1.0); 0.0370 (31.9); 0.0260 (1.1)
I-009: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.8360 (2.6); 7.8304 (2.6); 7.7772 (2.6); 7.7690 (2.6); 7.5743 (1.3); 7.5592 (1.4); 7.5534 (4.1); 7.5500 (3.5); 7.5369 (0.3); 7.5328 (0.3); 7.4545 (2.4); 7.4404 (1.0); 7.4304 (1.3); 7.4226 (0.7); 7.4164 (0.5); 7.4096 (0.8); 7.4021 (0.4); 7.2988 (2.6); 7.2887 (1.8); 7.2621 (2.0); 7.0324 (2.0); 6.9269 (1.6); 6.9044 (1.6); 6.5727 (1.8); 6.5662 (2.3); 6.5646 (2.3); 6.5581 (1.8); 4.0578 (0.9); 4.0372 (0.8); 4.0091 (1.8); 3.9884 (1.8); 3.9603 (0.9); 3.9396 (0.9); 2.5488 (16.0); 2.4386 (5.9); 2.4317 (3.4); 2.2827 (7.9); 2.0733 (0.5); 1.2953 (0.6); 1.2917 (0.6); 0.1119 (3.8); 0.0384 (2.5)
I-010: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5623 (1.1); 7.5330 (6.1); 7.5038 (6.8); 7.4521 (2.6); 7.4265 (1.6); 7.3961 (6.1); 7.3674 (3.9); 7.3138 (3.2); 7.2986 (9.4); 7.2917 (2.2); 7.2880 (1.7); 7.2683 (1.4); 7.2649 (1.5); 7.2610 (1.3); 7.2573 (1.0); 6.8676 (1.9); 6.6800 (3.9); 6.5430 (0.9); 6.5223 (1.7); 6.5013 (1.0); 6.4924 (2.3); 4.2450 (1.7); 4.2240 (1.6); 4.1978 (3.6); 4.1768 (3.4); 4.1505 (1.9); 4.1296 (1.7); 2.0708 (0.4); 1.6239 (16.0); 1.2896 (0.4); 0.0361 (5.1)
I-011: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.9565 (5.8); 8.5241 (4.2); 8.4522 (2.5); 8.4359 (2.7); 8.0462 (0.5); 8.0274 (0.9); 8.0085 (0.5); 7.8990 (2.5); 7.8828 (2.4); 7.6901 (1.7); 7.6709 (4.0); 7.6681 (4.0); 7.5594 (2.2); 7.5301 (1.0); 7.5197 (1.4); 7.5125 (1.2); 7.4997 (1.1); 7.4922 (0.7); 7.3990 (2.1); 7.3724 (2.3); 7.3530 (0.4); 7.2988 (17.8); 7.2437 (0.4); 7.0812 (2.4); 6.9946 (1.2); 6.9685 (1.2); 4.3444 (1.0); 4.3246 (1.0); 4.2962 (2.1); 4.2765 (2.0); 4.2476 (1.2); 4.2282 (1.0); 4.1950 (0.5); 4.1713 (1.4); 4.1475 (1.4); 4.1238 (0.5); 4.0704 (16.0); 4.0473 (0.4); 3.9022 (1.3); 3.7424 (1.7); 2.5285 (6.5); 2.4401 (0.4); 2.3671 (0.8); 2.3196 (9.0); 2.0834 (5.9); 1.6344 (2.1); 1.3210 (1.6); 1.2971 (3.3); 1.2734 (1.5); 0.1076 (0.5); 0.0483 (0.6); 0.0374 (17.9); 0.0270 (0.7)

TABLE 2-continued

I-012: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.8771 (0.5); 7.8572 (0.8); 7.8382 (0.5); 7.5602 (0.3); 7.5337 (1.2); 7.5081 (3.1); 7.4997 (2.0); 7.4852 (2.4); 7.4485 (1.0); 7.4418 (1.5); 7.4307 (2.0); 7.4176 (0.9); 7.4041 (2.0); 7.2986 (4.5); 7.0877 (2.0); 7.0414 (1.1); 7.0148 (1.0); 4.2639 (0.9); 4.2437 (0.9); 4.2136 (1.8); 4.1934 (1.8); 4.1632 (1.0); 4.1431 (0.9); 3.7400 (1.6); 3.7206 (3.2); 3.7009 (1.9); 3.3673 (16.0); 3.0136 (1.6); 2.9941 (2.8); 2.9747 (1.4); 2.7043 (10.9); 2.5371 (6.0); 2.5306 (3.5); 2.3245 (8.0); 1.6471 (4.6); 1.2938 (0.4); 0.0373 (4.4)
I-013: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 8.9487 (1.9); 7.9534 (0.6); 7.7770 (4.6); 7.7437 (0.5); 7.7244 (1.2); 7.7046 (0.9); 7.6583 (3.3); 7.6390 (0.8); 7.5948 (1.1); 7.5766 (0.7); 7.4720 (0.3); 7.4651 (2.9); 7.4603 (1.2); 7.4485 (1.2); 7.4434 (4.0); 7.4368 (0.6); 7.3188 (0.5); 7.3121 (4.0); 7.3072 (1.3); 7.2953 (1.0); 7.2904 (3.1); 3.3854 (64.3); 2.8927 (3.8); 2.7341 (3.2); 2.6157 (11.7); 2.5161 (4.8); 2.5117 (10.1); 2.5072 (13.6); 2.5027 (10.0); 2.4983 (4.9); 1.6178 (16.0)
I-014: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 8.2582 (10.2); 7.9246 (1.0); 7.9143 (1.7); 7.9040 (1.0); 7.6398 (0.4); 7.6234 (5.3); 7.6131 (7.1); 7.4768 (3.9); 7.4375 (0.4); 7.4294 (1.3); 7.4244 (1.5); 7.4208 (2.1); 7.4170 (2.0); 7.4116 (1.5); 7.4067 (1.1); 7.3188 (3.4); 7.3028 (3.7); 7.2579 (2.0); 7.0344 (4.3); 6.9398 (2.3); 6.9239 (2.1); 4.2397 (1.6); 4.2278 (1.6); 4.2109 (3.5); 4.1990 (3.4); 4.1820 (1.8); 4.1701 (1.7); 2.4664 (11.6); 2.2770 (16.0); 2.0378 (0.4); 1.6111 (1.7); −0.0002 (1.9)
I-015: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5793 (1.3); 7.5585 (3.6); 7.5415 (0.4); 7.5205 (1.9); 7.4916 (3.1); 7.4828 (1.8); 7.4317 (1.6); 7.3729 (0.7); 7.3636 (1.2); 7.3566 (0.8); 7.3418 (0.8); 7.3343 (0.5); 7.2988 (19.8); 7.1607 (1.1); 7.1540 (1.1); 7.1325 (0.9); 7.1258 (0.9); 6.8718 (0.8); 5.3383 (2.7); 4.4303 (0.9); 4.4094 (0.8); 4.3814 (1.8); 4.3607 (1.8); 4.3328 (0.9); 4.3120 (0.9); 3.0174 (0.5); 3.0050 (0.7); 2.9961 (0.7); 2.9835 (0.5); 2.2095 (1.0); 1.5889 (16.0); 1.2927 (0.5); 0.9258 (0.4); 0.9018 (1.8); 0.8847 (1.8); 0.8789 (1.5); 0.8609 (0.6); 0.7222 (0.6); 0.7059 (1.6); 0.6985 (1.8); 0.6935 (1.5); 0.6871 (1.3); 0.6700 (0.4); 0.0484 (0.7); 0.0376 (17.6); 0.0267 (0.7)
I-016: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.0869 (4.1); 8.0261 (0.4); 7.6498 (0.9); 7.6290 (2.6); 7.5165 (1.2); 7.4622 (1.6); 7.4544 (0.9); 7.4472 (0.6); 7.4332 (3.3); 7.4266 (1.4); 7.2993 (37.6); 7.2667 (1.1); 7.2597 (1.0); 7.2389 (0.8); 7.2325 (0.9); 6.1332 (0.3); 6.1206 (0.3); 5.9776 (0.3); 5.9651 (0.3); 5.9542 (0.3); 3.8371 (0.4); 3.8207 (0.4); 2.2766 (0.4); 2.2692 (0.4); 2.2513 (0.8); 2.2344 (0.4); 2.2250 (0.4); 1.5765 (16.0); 1.2018 (1.8); 1.1878 (2.9); 1.1801 (1.5); 1.1674 (1.0); 1.1618 (1.7); 1.1531 (0.7); 0.0499 (1.3); 0.0391 (38.4); 0.0298 (1.2); 0.0282 (1.4)
I-017: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 8.7978 (2.0); 7.9527 (0.4); 7.7595 (4.7); 7.7406 (0.5); 7.7207 (1.3); 7.7014 (1.0); 7.6571 (2.7); 7.6353 (0.8); 7.5965 (1.0); 7.5773 (0.7); 7.3678 (0.3); 7.3599 (3.2); 7.3549 (1.2); 7.3431 (1.0); 7.3378 (3.6); 7.3300 (0.4); 6.8176 (0.4); 6.8097 (3.6); 6.8047 (1.2); 6.7928 (1.0); 6.7876 (3.4); 6.7797 (0.4); 3.7090 (15.5); 3.3521 (25.3); 3.3487 (26.5); 3.3469 (27.0); 2.8904 (3.0); 2.7319 (2.7); 2.6114 (12.0); 2.5123 (5.9); 2.5079 (12.4); 2.5034 (16.9); 2.4988 (12.2); 2.4943 (5.9); 1.6151 (16.0); −0.0002 (0.4)
I-018: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.0625 (0.8); 9.0469 (1.6); 9.0310 (0.7); 8.3102 (0.8); 7.7362 (0.7); 7.7165 (1.9); 7.6968 (1.6); 7.6683 (2.1); 7.6584 (6.4); 7.6488 (1.1); 7.5756 (2.5); 7.5299 (1.4); 7.5099 (1.1); 7.4879 (2.4); 7.4675 (2.6); 7.3753 (3.0); 7.0568 (1.5); 7.0360 (1.4); 4.2668 (0.7); 4.2511 (0.7); 4.2314 (1.5); 4.2158 (1.4); 4.1959 (0.8); 4.1801 (0.7); 3.3251 (248.3); 2.7115 (0.4); 2.6759 (0.8); 2.6714 (1.1); 2.6670 (0.8); 2.5779 (16.0); 2.5418 (85.8); 2.5110 (68.8); 2.5069 (131.0); 2.5024 (169.1); 2.4979 (126.4); 2.4937 (64.7); 2.4534 (0.8); 2.4455 (0.9); 2.4247 (0.5); 2.4175 (0.5); 2.3678 (0.4); 2.3337 (0.8); 2.3293 (1.1); 2.3247 (0.8); 1.7637 (1.0); 1.7560 (1.1); 1.7358 (1.6); 1.6948 (0.9); 1.6663 (2.3); 1.3301 (0.9); 1.3015 (2.5); 1.2802 (3.1); 1.2578 (1.2); 1.2533 (1.2); 1.2240 (0.6); 1.2013 (0.5); 1.1939 (0.5); 1.1779 (0.3); 1.1708 (0.4); −0.0003 (1.5)
I-019: ^{1}H-NMR(400.0 MHz, CD3CN):
δ = 8.0424 (16.0); 7.9978 (0.5); 7.8328 (1.1); 7.7418 (1.0); 7.7223 (3.5); 7.7036 (6.9); 7.6801 (1.1); 7.5698 (4.7); 7.5201 (1.8); 7.5155 (3.1); 7.5107 (1.8); 7.4970 (2.3); 7.2210 (0.4); 7.1857 (11.3); 7.0864 (4.8); 5.4757 (0.6); 4.6765 (0.3); 4.1884 (2.9); 4.1724 (2.8); 4.1534 (6.2); 4.1374 (6.0); 4.1183 (3.1); 4.1023 (3.0); 2.4224 (0.4); 2.3762 (0.9); 2.3604 (2.0); 2.3046 (0.6); 2.2660 (57.6); 2.2493 (173.0); 2.2456 (113.2); 2.2432 (158.1); 2.2370 (239.3); 2.1370 (0.4); 1.9939 (1.7); 1.9878 (3.8); 1.9819 (22.5); 1.9758 (41.1); 1.9696 (55.7); 1.9634 (38.2); 1.9573 (19.6); 1.7981 (0.3); 1.4568 (0.3); 1.4392 (0.7); 1.4215 (0.3)
I-020: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.6131 (0.4); 7.5837 (4.0); 7.5784 (3.0); 7.5696 (6.7); 7.5663 (8.1); 7.5518 (0.6); 7.4740 (3.5); 7.4537 (0.6); 7.4402 (1.6); 7.4313 (1.4); 7.4263 (2.3); 7.4157 (4.4); 7.4017 (1.1); 7.3891 (4.1); 7.2986 (23.3); 7.0821 (4.0); 6.9966 (2.1); 6.9695 (1.9); 6.3355 (0.9); 6.3155 (1.7); 6.2946 (0.9); 4.3078 (2.0); 4.2872 (2.0); 4.2592 (4.3); 4.2386 (4.1); 4.2105 (2.2); 4.1900 (2.1); 2.5270 (12.0); 2.5199 (6.8); 2.3578 (0.4); 2.3437 (0.4); 2.3079 (16.0); 2.0786 (0.8); 1.6230 (1.2); 1.5909 (10.0); 1.2951 (0.8); 0.1084 (2.2); 0.0492 (0.8); 0.0385 (23.7); 0.0276 (0.8)
I-021: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.2042 (6.1); 8.3131 (16.0); 8.3103 (15.3); 7.8559 (12.6); 7.7956 (2.0); 7.7763 (6.4); 7.7567 (7.4); 7.7441 (10.8); 7.7260 (4.5); 7.6973 (11.1); 7.6138 (6.3); 7.5954 (5.7); 7.5056 (6.2); 7.4848 (9.2); 7.3778 (7.6); 7.3570 (6.1); 4.3250 (2.8); 4.3127 (3.4); 4.2920 (6.2); 4.2785 (6.6); 4.2580 (3.7); 4.2440 (3.4); 3.3014 (21.7); 3.2987 (20.8); 2.5385 (0.4); 2.5006 (30.8); 2.4973 (32.4); 2.0722 (4.1); 2.0691 (3.8); −0.0002 (7.3); −0.0034 (6.7)
I-022: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.6534 (4.2); 8.6386 (2.5); 8.6217 (2.4); 8.4961 (8.9); 8.0835 (0.7); 8.0643 (1.2); 8.0445 (0.7); 7.7306 (0.4); 7.7038 (2.1); 7.6846 (5.5); 7.6814 (5.1); 7.5833 (2.6); 7.5695 (0.5); 7.5534 (1.2); 7.5430 (1.6); 7.5356 (1.4); 7.5229 (1.1); 7.5149 (0.6); 7.4538 (2.8); 7.4370 (2.7); 7.3989 (2.5); 7.3722 (2.8); 7.2985 (15.8); 7.0857 (2.8); 7.0013 (1.6); 6.9747 (1.4); 4.3441 (1.3); 4.3244 (1.3); 4.2958 (2.7); 4.2761 (2.6); 4.2474 (1.4); 4.2278 (1.3); 2.5275 (8.4); 2.5204 (4.8); 2.4699 (16.0); 2.3240 (11.4); 2.0832 (0.9); 1.2966 (1.1); 0.1077 (0.6); 0.0478 (0.6); 0.0371 (16.1); 0.0262 (0.6)

TABLE 2-continued

I-023: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.3497 (3.0); 9.3299 (3.0); 8.2081 (16.0); 7.9533 (0.5); 7.8882 (6.0); 7.8757 (2.7); 7.8710 (3.0); 7.8606 (5.7); 7.8533 (3.5); 7.8396 (5.3); 7.7540 (5.4); 7.7473 (4.8); 7.7258 (4.1); 7.7092 (4.6); 7.6877 (3.9); 7.6639 (5.3); 7.6409 (2.1); 7.5805 (3.5); 7.5764 (3.5); 7.5592 (3.1); 7.5551 (3.1); 7.4844 (0.9); 7.4805 (1.3); 7.4674 (3.3); 7.4633 (3.0); 7.4556 (3.4); 7.4498 (6.6); 7.4439 (3.2); 7.4363 (2.8); 7.4323 (3.0); 7.4191 (1.1); 7.4152 (0.8); 5.3414 (0.4); 5.3235 (1.8); 5.3054 (2.6); 5.2871 (1.8); 5.2689 (0.4); 3.3520 (164.4); 2.8902 (3.0); 2.7324 (2.8); 2.5264 (0.8); 2.5128 (19.0); 2.5086 (39.4); 2.5042 (52.6); 2.4998 (38.1); 2.4955 (18.5); 1.5598 (13.0); 1.5423 (12.9); 1.2383 (1.3); −0.0002 (3.6)
I-024: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.0867 (12.1); 8.0259 (1.5); 7.6755 (0.6); 7.6493 (3.0); 7.6289 (8.0); 7.6262 (7.3); 7.5168 (3.9); 7.4810 (0.4); 7.4744 (0.5); 7.4619 (5.1); 7.4548 (3.2); 7.4472 (2.2); 7.4329 (10.7); 7.2997 (38.6); 7.2666 (3.2); 7.2599 (3.2); 7.2387 (2.3); 7.2322 (2.6); 6.1438 (1.0); 6.1331 (1.1); 6.1204 (1.0); 6.1102 (1.0); 5.9880 (1.0); 5.9776 (1.1); 5.9646 (1.1); 5.9539 (1.0); 5.3390 (15.6); 4.3556 (0.6); 4.3452 (0.6); 4.3335 (0.6); 4.3225 (0.6); 4.3068 (0.7); 4.2959 (0.7); 4.2850 (0.7); 4.2737 (0.7); 4.2662 (0.6); 4.2552 (0.6); 4.2436 (0.6); 4.2321 (0.6); 4.2171 (0.7); 4.2063 (0.7); 4.1947 (0.8); 4.1837 (0.7); 3.9091 (0.7); 3.8915 (0.7); 3.8852 (0.8); 3.8679 (0.7); 3.8605 (0.7); 3.8377 (1.3); 3.8204 (1.2); 3.7975 (0.7); 3.7896 (0.7); 3.7723 (0.6); 3.7662 (0.6); 3.7489 (0.6); 2.2949 (0.6); 2.2767 (1.0); 2.2690 (1.3); 2.2608 (0.9); 2.2515 (2.6); 2.2405 (1.0); 2.2339 (1.2); 2.2253 (1.3); 2.2078 (0.7); 1.5813 (16.0); 1.2952 (0.9); 1.2016 (6.1); 1.1926 (6.8); 1.1877 (9.5); 1.1805 (5.6); 1.1675 (3.4); 1.1618 (5.5); 1.1534 (2.6); 1.1304 (0.5); 0.9210 (0.4); 0.0496 (1.6); 0.0392 (40.5)
I-025: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 9.3970 (4.0); 9.0571 (16.0); 8.1441 (1.6); 8.1248 (2.8); 8.1055 (1.6); 7.6311 (1.1); 7.6048 (5.2); 7.5943 (4.4); 7.5850 (13.5); 7.5817 (12.0); 7.5688 (1.2); 7.5647 (1.2); 7.4700 (7.4); 7.4407 (15.6); 7.3789 (13.4); 7.3635 (5.4); 7.3501 (8.5); 7.3355 (2.2); 7.2991 (4.6); 4.1637 (3.5); 4.1435 (3.4); 4.1170 (7.4); 4.0968 (7.2); 4.0703 (3.7); 4.0501 (3.6); 2.6976 (0.6); 2.6853 (1.3); 2.6748 (1.9); 2.6629 (2.7); 2.6557 (2.7); 2.6435 (2.0); 2.6332 (1.4); 2.6209 (0.6); 1.7644 (1.4); 1.2926 (1.0); 1.0176 (1.9); 0.9989 (5.8); 0.9944 (7.4); 0.9769 (7.7); 0.9716 (6.0); 0.9543 (2.4); 0.9236 (0.4); 0.9012 (0.4); 0.7781 (0.3); 0.7371 (2.6); 0.7235 (5.8); 0.7205 (6.3); 0.7137 (7.1); 0.7083 (6.4); 0.7026 (6.0); 0.6849 (1.9); 0.0347 (3.8)
I-026: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 8.9018 (1.9); 7.9533 (0.4); 7.7774 (4.6); 7.7415 (0.5); 7.7215 (1.2); 7.7026 (0.9); 7.6561 (3.2); 7.6364 (0.8); 7.5951 (1.0); 7.5771 (0.7); 7.4828 (1.5); 7.4775 (0.7); 7.4692 (1.7); 7.4605 (1.9); 7.4523 (0.8); 7.4470 (1.7); 7.0841 (1.8); 7.0789 (0.6); 7.0619 (3.4); 7.0449 (0.5); 7.0396 (1.6); 3.3573 (18.7); 3.3511 (29.1); 3.3478 (29.2); 2.8914 (2.8); 2.7325 (2.6); 2.6144 (11.4); 2.5133 (5.9); 2.5089 (12.4); 2.5044 (16.6); 2.4998 (12.0); 2.4954 (5.8); 1.6263 (16.0); −0.0002 (0.3)
I-027: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5950 (0.4); 7.5690 (1.5); 7.5457 (4.3); 7.5272 (0.5); 7.5222 (0.5); 7.4363 (2.1); 7.3796 (0.9); 7.3713 (1.5); 7.3639 (1.1); 7.3558 (3.3); 7.3488 (3.8); 7.2983 (8.4); 7.2454 (2.2); 7.2180 (3.0); 7.0767 (1.9); 7.0697 (1.8); 7.0494 (1.4); 7.0424 (1.3); 6.1817 (0.5); 6.1624 (0.9); 6.1436 (0.5); 4.1651 (0.7); 4.1413 (0.7); 3.8674 (1.1); 3.8456 (3.0); 3.8243 (3.1); 3.8023 (1.2); 3.1281 (2.1); 3.1057 (4.1); 3.0833 (1.9); 2.6461 (0.6); 2.6388 (0.4); 2.6190 (16.0); 2.3269 (15.9); 2.2242 (0.4); 2.0776 (3.1); 1.6132 (8.2); 1.3177 (1.1); 1.2939 (2.5); 1.2701 (0.9); 0.9183 (0.7); 0.0469 (0.4); 0.0362 (8.5)
I-028: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.0621 (0.6); 9.0464 (1.4); 9.0307 (0.6); 8.3094 (1.4); 7.7381 (0.6); 7.7181 (1.8); 7.6982 (1.5); 7.6712 (1.8); 7.6570 (6.7); 7.5842 (2.2); 7.5252 (1.2); 7.5045 (1.0); 7.4895 (2.4); 7.4691 (2.6); 7.3587 (2.6); 7.0405 (1.3); 7.0202 (1.2); 4.2688 (0.6); 4.2533 (0.6); 4.2335 (1.4); 4.2176 (1.4); 4.1981 (0.7); 4.1822 (0.7); 3.4810 (0.5); 3.4588 (0.8); 3.4369 (0.7); 3.3231 (377.2); 2.7115 (0.4); 2.6804 (0.6); 2.6759 (1.2); 2.6714 (1.7); 2.6668 (1.2); 2.6623 (0.6); 2.5993 (0.4); 2.5794 (16.0); 2.5415 (104.8); 2.5248 (5.2); 2.5199 (7.6); 2.5114 (103.4); 2.5069 (205.2); 2.5024 (267.4); 2.4978 (193.5); 2.4933 (94.2); 2.3681 (0.4); 2.3382 (0.6); 2.3338 (1.2); 2.3292 (1.7); 2.3247 (1.2); 2.3202 (0.6); 2.2952 (0.4); 2.2643 (0.4); 2.2568 (0.4); 2.2453 (1.0); 2.2380 (1.3); 2.2301 (1.0); 2.2185 (1.6); 2.2110 (1.0); 2.1996 (0.5); 2.0123 (0.6); 2.0078 (0.8); 2.0020 (0.6); 1.9825 (1.6); 1.9719 (1.8); 1.9630 (2.0); 1.9554 (1.6); 1.9410 (0.3); 1.9337 (0.6); 1.9255 (0.4); 1.7921 (0.4); 1.7762 (1.0); 1.7627 (0.5); 1.7592 (0.5); 1.7498 (0.4); −0.0003 (3.0)
I-029: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.3638 (3.1); 7.3569 (3.1); 7.3491 (1.6); 7.3225 (2.8); 7.2983 (9.6); 7.2181 (2.3); 7.1907 (2.9); 7.0295 (2.3); 7.0223 (3.1); 7.0022 (2.0); 6.9952 (2.8); 6.9391 (1.4); 6.9339 (1.6); 6.9119 (1.3); 6.9071 (1.4); 6.8625 (2.2); 6.8571 (2.7); 6.2724 (1.2); 6.2521 (0.7); 3.8363 (1.2); 3.8148 (3.2); 3.7933 (3.2); 3.7718 (1.2); 3.0968 (2.3); 3.0747 (4.2); 3.0525 (2.0); 2.4151 (16.0); 2.3069 (0.4); 1.9783 (0.3); 1.9610 (0.7); 1.9499 (0.8); 1.9335 (1.3); 1.9167 (0.8); 1.9059 (0.8); 1.8894 (0.4); 1.5964 (7.1); 1.3044 (1.3); 1.0457 (0.9); 1.0301 (2.4); 1.0237 (2.6); 1.0084 (1.7); 1.0019 (2.6); 0.9959 (2.3); 0.9809 (1.1); 0.9412 (0.5); 0.9197 (1.1); 0.8969 (0.5); 0.7565 (1.1); 0.7410 (3.2); 0.7360 (2.9); 0.7248 (2.8); 0.7194 (3.0); 0.7030 (0.8); 0.1075 (0.8); 0.0376 (8.2)
I-030: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.3152 (10.5); 7.9723 (1.1); 7.6904 (4.2); 7.6729 (5.9); 7.5352 (3.2); 7.5273 (4.0); 7.4980 (6.7); 7.4751 (1.2); 7.4660 (1.2); 7.4597 (1.9); 7.4527 (2.5); 7.4450 (7.4); 7.4167 (3.0); 7.3046 (36.3); 5.3440 (1.2); 4.2784 (1.7); 4.2582 (1.7); 4.2306 (3.7); 4.2104 (3.6); 4.2005 (0.8); 4.1827 (1.9); 4.1768 (2.0); 4.1626 (1.8); 4.1530 (1.9); 4.1292 (0.8); 4.1079 (0.6); 2.0895 (9.9); 2.0521 (0.7); 1.6060 (16.0); 1.3266 (2.3); 1.3028 (4.8); 1.2790 (2.2); 1.0031 (0.4); 0.9785 (0.9); 0.9540 (0.4); 0.1123 (1.9); 0.0533 (1.0); 0.0426 (31.1); 0.0317 (1.1)
I-031: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.3389 (0.5); 9.2040 (0.9); 8.1063 (1.6); 7.9541 (2.4); 7.8653 (2.1); 7.7723 (0.9); 7.6898 (0.6); 7.6707 (1.1); 7.6339 (0.6); 7.6142 (0.3); 7.6003 (0.5); 4.6871 (1.1); 4.6728 (1.1); 3.3281 (12.0); 2.8936 (16.0); 2.7348 (14.0); 2.6160 (5.5); 2.5134 (4.8); 2.5090 (10.0); 2.5046 (13.3); 2.5000 (9.5); 2.4957 (4.6); −0.0002 (2.2)
I-032: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.9417 (4.5); 8.8312 (4.0); 8.8227 (4.1); 8.3484 (14.0); 7.9412 (2.6); 7.9347 (4.2); 7.9283 (2.6); 7.8152 (1.5); 7.4743 (4.2); 7.4619 (3.6); 7.4568 (4.9); 7.4507 (4.7); 7.4467 (6.3); 7.3268 (3.9); 7.3204 (3.6); 7.2998 (42.8); 7.2936 (3.7); 6.1401 (1.1); 6.1299 (1.1); 6.1146 (1.2); 6.1043 (1.1); 5.9835 (1.1); 5.9734 (1.2); 5.9586 (1.2); 5.9479 (1.1); 5.3388 (0.4); 4.3915 (0.7); 4.3812 (0.8); 4.3686 (0.6); 4.3579

TABLE 2-continued

(0.7); 4.3426 (0.8); 4.3324 (0.9); 4.3194 (0.8); 4.3091 (0.8); 4.2959 (0.6); 4.2856 (0.7); 4.2728 (0.7); 4.2625 (0.7); 4.2472 (0.8); 4.2367 (0.8); 4.2240 (0.9); 4.2136 (0.8); 4.1958 (0.6); 4.1719 (1.5); 4.1481 (1.5); 4.1245 (0.8); 4.1034 (0.5); 3.8755 (0.9); 3.8590 (0.9); 3.8504 (0.8); 3.8335 (0.8); 3.8268 (0.7); 3.8100 (1.4); 3.8013 (0.8); 3.7932 (1.0); 3.7847 (1.4); 3.7678 (0.8); 3.7611 (0.8); 3.7447 (0.7); 3.7353 (0.6); 3.7190 (0.6); 2.0835 (8.4); 1.5900 (16.0); 1.3218 (2.1); 1.2979 (5.2); 1.2742 (2.1); 0.9985 (0.4); 0.9741 (0.9); 0.9498 (0.4); 0.0494 (1.3); 0.0386 (41.6); 0.0278 (1.9)

I-033: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.3143 (2.0); 7.6810 (0.8); 7.6636 (1.4); 7.6449 (0.4); 7.6169 (1.0); 7.5904 (7.6); 7.5814 (6.7); 7.5731 (15.0); 7.5700 (16.0); 7.5368 (0.8); 7.4966 (7.7); 7.4849 (8.6); 7.4566 (12.2); 7.4471 (7.8); 7.4414 (12.0); 7.4368 (9.4); 7.4284 (5.8); 7.4216 (4.3); 7.4110 (3.0); 7.4026 (2.1); 7.3675 (0.6); 7.3606 (0.6); 7.2988 (20.5); 7.2853 (6.5); 7.2786 (6.2); 7.2575 (4.9); 7.2507 (4.9); 7.2357 (0.5); 6.5053 (1.9); 6.4844 (2.9); 6.4660 (1.9); 6.1322 (2.0); 6.1228 (2.3); 6.1070 (2.2); 6.0978 (2.1); 5.9762 (2.0); 5.9668 (2.2); 5.9510 (2.2); 5.9418 (2.0); 5.3365 (0.8); 4.4254 (0.3); 4.3617 (1.0); 4.3523 (1.1); 4.3382 (1.1); 4.3286 (1.1); 4.3127 (1.2); 4.3032 (1.3); 4.2891 (1.2); 4.2795 (1.3); 4.2648 (1.2); 4.2553 (1.1); 4.2412 (1.2); 4.2315 (1.1); 4.2159 (1.5); 4.2062 (1.3); 4.1923 (1.4); 4.1826 (1.3); 3.8415 (1.3); 3.8243 (1.6); 3.8163 (1.4); 3.7989 (1.4); 3.7926 (1.2); 3.7733 (1.9); 3.7675 (1.4); 3.7551 (1.7); 3.7491 (1.9); 3.7342 (1.7); 3.7301 (1.4); 3.7235 (1.2); 3.7062 (1.1); 3.6983 (1.0); 3.6810 (1.0); 3.1304 (0.5); 1.6209 (11.5); 1.4378 (0.5); 1.3350 (0.5); 1.2913 (4.6); 0.9392 (0.4); 0.9178 (1.0); 0.8931 (0.6); 0.1076 (3.6); 0.0470 (0.5); 0.0362 (18.4); 0.0254 (0.8)

I-034: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.0740 (2.0); 7.9542 (0.8); 7.7629 (5.4); 7.7516 (2.4); 7.7231 (1.4); 7.7033 (1.1); 7.6646 (1.4); 7.6411 (1.6); 7.6356 (1.8); 7.5897 (1.0); 7.5643 (1.0); 7.5435 (1.8); 7.5375 (1.8); 7.5259 (0.4); 7.5169 (1.2); 7.4973 (0.4); 3.3567 (14.3); 3.3505 (18.1); 3.3486 (17.9); 3.3446 (17.9); 2.8913 (5.6); 2.7330 (5.1); 2.6098 (11.5); 2.5133 (5.8); 2.5090 (12.2); 2.5045 (16.3); 2.5000 (11.7); 2.4955 (5.7); 1.6740 (16.0); −0.0002 (0.5)

I-035: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.0689 (0.6); 9.0535 (1.4); 9.0379 (0.7); 8.3101 (0.8); 7.7355 (0.6); 7.7158 (1.8); 7.6960 (1.5); 7.6676 (1.9); 7.6575 (6.4); 7.6484 (1.0); 7.5862 (2.2); 7.5315 (1.2); 7.5109 (1.0); 7.4811 (2.4); 7.4607 (2.6); 7.3975 (2.7); 7.0775 (1.4); 7.0596 (1.2); 7.0569 (1.2); 4.2676 (0.6); 4.2523 (0.6); 4.2326 (1.4); 4.2169 (1.4); 4.1973 (0.7); 4.1813 (0.7); 3.3237 (218.0); 2.9392 (0.5); 2.9338 (0.5); 2.9147 (1.0); 2.8955 (0.6); 2.8906 (0.6); 2.6803 (0.3); 2.6759 (0.7); 2.6714 (1.0); 2.6669 (0.7); 2.6623 (0.4); 2.5797 (16.0); 2.5417 (84.6); 2.5248 (3.0); 2.5200 (4.6); 2.5114 (60.0); 2.5069 (120.0); 2.5024 (158.2); 2.4978 (116.8); 2.4934 (58.3); 2.3680 (0.4); 2.3381 (0.4); 2.3338 (0.8); 2.3292 (1.0); 2.3246 (0.8); 2.3205 (0.4); 1.9799 (0.4); 1.9752 (0.4); 1.9614 (0.8); 1.9513 (0.9); 1.9478 (0.9); 1.9360 (1.0); 1.9328 (1.0); 1.9260 (0.9); 1.9125 (0.5); 1.9067 (0.5); 1.7438 (0.7); 1.7342 (1.1); 1.7227 (1.5); 1.7136 (1.0); 1.7067 (0.9); 1.6907 (0.5); 1.6816 (0.4); 1.6578 (0.4); 1.6512 (0.4); 1.6382 (0.6); 1.6300 (0.9); 1.6182 (1.2); 1.6107 (1.3); 1.5984 (1.3); 1.5919 (0.6); 1.5883 (0.6); 1.5832 (0.4); 1.4498 (0.4); 1.4302 (0.8); 1.4211 (0.8); 1.4136 (0.7); 1.4058 (1.0); 1.4003 (0.9); 1.3914 (0.7); 1.3850 (0.6); 1.3805 (0.6); 1.3756 (0.7); 0.2083 (0.4); −0.0002 (1.6)

I-036: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 8.7437 (0.5); 8.7295 (1.0); 8.7156 (0.5); 8.0812 (6.9); 7.7605 (0.4); 7.7410 (1.3); 7.7208 (1.4); 7.7058 (1.7); 7.6937 (2.1); 7.6050 (1.1); 7.5851 (0.8); 7.1609 (2.9); 7.1395 (3.3); 6.7362 (0.4); 6.7289 (3.5); 6.7075 (3.2); 3.9028 (0.4); 3.6412 (16.0); 3.5171 (0.7); 3.5000 (1.8); 3.4851 (1.8); 3.4680 (0.8); 3.3261 (56.4); 2.7831 (1.3); 2.7657 (2.7); 2.7482 (1.2); 2.6754 (0.4); 2.6709 (0.6); 2.6663 (0.4); 2.5242 (2.0); 2.5106 (38.1); 2.5064 (76.0); 2.5020 (98.7); 2.4974 (71.9); 2.4932 (35.9); 2.3331 (0.4); 2.3288 (0.6); 2.3242 (0.4); −0.0002 (0.4)

I-037: ^{1}H-NMR(400.0 MHz, CD3CN):
δ = 8.4807 (4.0); 8.4688 (4.1); 8.2534 (1.5); 8.1058 (16.0); 8.0164 (0.8); 7.9419 (4.1); 7.9219 (4.4); 7.7029 (1.3); 7.6828 (4.9); 7.6650 (13.1); 7.6468 (1.3); 7.5737 (0.4); 7.4931 (6.8); 7.4724 (2.6); 7.4668 (4.2); 7.4618 (2.3); 7.4495 (3.1); 7.3192 (0.4); 7.2593 (2.8); 7.2469 (2.9); 7.2396 (2.9); 7.2273 (2.6); 7.0640 (0.4); 4.1542 (0.4); 4.1382 (0.4); 3.9479 (3.7); 3.9325 (10.4); 3.9170 (10.7); 3.9015 (4.0); 3.2741 (4.8); 3.2584 (8.8); 3.2427 (4.4); 2.4427 (1.0); 2.2297 (1.5); 2.1284 (29.5); 2.1136 (0.6); 2.1064 (0.6); 2.1004 (0.4); 1.9632 (2.5); 1.9570 (6.5); 1.9514 (33.7); 1.9453 (60.9); 1.9392 (81.9); 1.9330 (56.6); 1.9269 (29.5); 1.7736 (0.4); 1.7676 (0.5); 1.7613 (0.3); 1.2851 (0.4); 1.2700 (0.8); 0.1460 (0.9); 0.0077 (7.1); −0.0002 (174.4); −0.1492 (0.9)

I-038: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.1500 (2.9); 8.3549 (16.0); 7.7930 (1.2); 7.7735 (4.1); 7.7540 (4.8); 7.7439 (5.5); 7.7241 (1.8); 7.7003 (5.9); 7.6260 (3.5); 7.6066 (2.7); 7.5867 (7.7); 7.5653 (9.9); 7.4181 (9.4); 7.3969 (7.6); 4.1915 (1.4); 4.1778 (1.5); 4.1570 (3.0); 4.1434 (3.0); 4.1223 (1.6); 4.1089 (1.5); 3.3024 (42.7); 2.5052 (14.7); 2.5008 (20.0); 2.4964 (15.0); 2.0719 (0.6); −0.0002 (7.2)

I-039: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.6217 (0.6); 7.5950 (4.6); 7.5912 (4.3); 7.5860 (3.8); 7.5778 (9.3); 7.5746 (9.7); 7.5255 (6.1); 7.4968 (9.2); 7.4476 (4.6); 7.4103 (0.9); 7.3899 (10.2); 7.3771 (3.4); 7.3619 (6.5); 7.2986 (17.0); 6.3031 (1.2); 6.2826 (2.3); 6.2623 (1.2); 4.2568 (2.5); 4.2360 (2.4); 4.2091 (5.3); 4.1883 (5.0); 4.1614 (2.7); 4.1406 (2.5); 2.8691 (6.3); 2.8631 (15.8); 2.8566 (16.0); 2.8503 (6.2); 1.6006 (12.4); 1.3191 (0.4); 1.2929 (2.2); 1.2654 (0.3); 0.9190 (0.6); 0.8952 (0.3); 0.1078 (4.0); 0.0478 (0.6); 0.0371 (15.7); 0.0261 (0.6)

I-040: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.1644 (0.5); 8.1445 (0.9); 8.1246 (0.5); 7.6145 (2.0); 7.5861 (2.5); 7.5689 (1.3); 7.5453 (3.9); 7.5146 (2.0); 7.5084 (2.1); 7.4867 (1.8); 7.4348 (0.8); 7.4270 (1.4); 7.4197 (0.8); 7.4135 (0.5); 7.4106 (0.5); 7.4045 (0.9); 7.3972 (0.6); 7.3145 (1.3); 7.3079 (1.2); 7.2986 (2.2); 7.2863 (1.1); 7.2797 (1.0); 5.3317 (0.8); 4.4173 (0.9); 4.3967 (0.8); 4.3674 (1.9); 4.3468 (1.8); 4.3175 (1.0); 4.2970 (0.9); 4.1197 (0.7); 3.8547 (1.6); 3.8362 (2.9); 3.8170 (1.8); 3.4061 (16.0); 3.3505 (0.5); 3.1150 (1.8); 3.0959 (2.8); 3.0773 (1.6); 2.2005 (0.9); 1.2910 (0.5); 0.0342 (1.6)

I-041: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5857 (0.6); 7.5565 (4.0); 7.5357 (5.9); 7.5279 (5.1); 7.4596 (2.3); 7.4268 (4.3); 7.3995 (3.9); 7.3780 (1.1); 7.2988 (16.8); 6.3858 (0.5); 6.3659 (0.9); 6.3463 (0.5); 5.3371 (10.2); 4.2732 (1.1); 4.2521 (1.1); 4.2253 (2.3); 4.2041 (2.2); 4.1773 (1.3); 4.1673 (0.4); 4.1561 (1.2); 4.1433 (0.3); 3.7328 (0.4); 3.7204 (0.4); 3.7081 (0.3); 3.6979 (0.4); 3.6925 (0.4); 2.6852 (16.0); 2.6552 (1.0); 2.6299 (3.0); 2.6046 (3.1); 2.5796 (1.0); 2.2052 (0.9); 2.0798 (0.9); 1.6100 (4.7); 1.3375 (0.4); 1.3190 (0.7); 1.2931

TABLE 2-continued

(4.2); 1.2713 (0.9); 1.2555 (3.8); 1.2305 (7.8); 1.2052 (3.6); 1.1809 (0.4); 0.9176 (0.6); 0.8934 (0.5); 0.8676 (0.4); 0.1073 (6.9); 0.0950 (0.3); 0.0481 (0.4); 0.0373 (11.5); 0.0265 (0.5)

I-042: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.9406 (4.7); 8.8296 (4.3); 8.8211 (4.4); 8.3176 (16.0); 7.9490 (2.8); 7.9426 (4.5); 7.9361 (2.7); 7.8142 (1.0); 7.7948 (1.7); 7.7768 (1.0); 7.6043 (5.1); 7.5759 (6.3); 7.5401 (4.4); 7.5338 (4.5); 7.3595 (3.2); 7.3528 (3.0); 7.3312 (2.6); 7.3246 (2.5); 7.2995 (26.4); 5.3379 (0.7); 4.4987 (2.6); 4.4783 (2.5); 4.4494 (5.5); 4.4289 (5.3); 4.4000 (2.8); 4.3796 (2.7); 4.1941 (0.3); 4.1703 (1.0); 4.1464 (1.0); 4.1229 (0.4); 2.0821 (4.8); 2.0442 (0.9); 1.5965 (13.8); 1.3207 (1.3); 1.2968 (3.0); 1.2731 (1.2); 0.0488 (0.8); 0.0378 (25.6); 0.0268 (0.9)

I-043: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 9.4794 (2.2); 9.0627 (6.0); 8.1365 (0.8); 8.1196 (1.5); 8.1008 (0.9); 7.6262 (0.5); 7.5999 (2.8); 7.5805 (7.6); 7.5774 (6.7); 7.5653 (0.7); 7.5606 (0.6); 7.4185 (3.7); 7.3941 (1.5); 7.3835 (2.2); 7.3763 (1.7); 7.3719 (1.1); 7.3633 (1.6); 7.3559 (1.0); 7.3297 (3.5); 7.2987 (10.6); 7.0402 (3.9); 6.9391 (2.1); 6.9125 (1.9); 4.2072 (1.9); 4.1877 (1.9); 4.1711 (0.4); 4.1595 (4.1); 4.1399 (4.0); 4.1117 (2.1); 4.0922 (2.0); 2.7019 (0.3); 2.6896 (0.7); 2.6790 (1.0); 2.6671 (1.5); 2.6599 (1.5); 2.6478 (1.1); 2.6376 (0.7); 2.6255 (0.3); 2.4905 (6.4); 2.4838 (11.6); 2.4765 (6.6); 2.3006 (16.0); 2.0831 (0.9); 1.6302 (2.5); 1.3209 (0.6); 1.2948 (3.1); 1.2734 (0.6); 1.0201 (1.0); 0.9969 (4.2); 0.9796 (4.4); 0.9741 (3.4); 0.9569 (1.4); 0.9258 (0.4); 0.9189 (0.5); 0.9041 (0.4); 0.8935 (0.4); 0.7484 (1.4); 0.7318 (3.5); 0.7250 (4.0); 0.7196 (3.6); 0.7141 (3.3); 0.6963 (1.0); 0.0489 (0.4); 0.0382 (9.3); 0.0273 (0.3)

I-044: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 8.8277 (1.7); 7.9522 (0.4); 7.7599 (3.9); 7.7430 (0.5); 7.7236 (1.2); 7.7039 (0.9); 7.6571 (3.4); 7.6376 (0.8); 7.5972 (1.1); 7.5780 (0.7); 7.3279 (2.6); 7.3075 (3.2); 7.0599 (2.7); 7.0398 (2.3); 3.3821 (17.7); 3.3732 (15.6); 3.3681 (17.4); 3.3562 (18.9); 2.8906 (2.6); 2.7322 (2.3); 2.6121 (11.7); 2.5217 (0.4); 2.5131 (6.0); 2.5087 (12.7); 2.5042 (17.1); 2.4996 (12.2); 2.4951 (5.9); 2.2440 (9.0); 1.6126 (16.0); −0.0002 (0.4)

I-045: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 7.5397 (0.6); 7.5242 (1.6); 7.5086 (1.8); 7.4990 (2.0); 7.4831 (0.8); 7.4660 (2.0); 7.4346 (2.2); 7.4179 (2.6); 7.4044 (2.0); 7.4010 (2.9); 7.3986 (2.6); 7.3811 (0.9); 7.2614 (7.1); 7.2287 (1.6); 7.2246 (1.4); 7.2119 (1.3); 7.2079 (1.2); 6.3927 (0.6); 6.3807 (0.9); 6.3687 (0.5); 6.0186 (0.5); 6.0126 (0.6); 6.0039 (0.6); 5.9979 (0.5); 5.9250 (0.5); 5.9190 (0.6); 5.9103 (0.6); 5.9043 (0.5); 4.2254 (0.3); 4.2179 (0.3); 4.2118 (0.3); 4.2021 (0.4); 4.1960 (0.4); 4.1885 (0.4); 4.1823 (0.4); 4.1756 (0.3); 4.1619 (0.3); 4.1461 (0.4); 4.1399 (0.4); 4.1325 (0.4); 3.8462 (0.4); 3.8350 (0.4); 3.8316 (0.4); 3.8203 (0.4); 3.8169 (0.4); 3.8044 (0.6); 3.7924 (0.6); 3.7908 (0.6); 3.7782 (0.4); 3.7748 (0.3); 3.7635 (0.3); 2.7056 (0.5); 2.6943 (0.7); 2.6906 (0.8); 2.6793 (1.8); 2.6666 (2.7); 2.6594 (16.0); 2.6521 (1.8); 2.6401 (0.5); 2.6373 (0.5); 2.0773 (0.4); 2.0010 (10.0); 1.5767 (2.0); 1.2572 (3.5); 1.2421 (7.0); 1.2269 (3.0); 0.0061 (0.4); −0.0002 (6.3)

I-046: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ =9.0811 (0.6); 9.0655 (1.4); 9.0497 (0.6); 8.3100 (0.7); 7.7379 (0.6); 7.7183 (1.7); 7.6985 (1.5); 7.6694 (1.8); 7.6579 (6.4); 7.6502 (1.1); 7.5979 (2.1); 7.5329 (1.2); 7.5143 (3.3); 7.4939 (2.6); 7.4566 (2.6); 7.1344 (1.3); 7.1312 (1.3); 7.1142 (1.2); 7.1108 (1.2); 4.2726 (0.6); 4.2569 (0.6); 4.2372 (1.4); 4.2214 (1.3); 4.2015 (0.7); 4.1854 (0.6); 3.9603 (1.4); 3.9417 (1.9); 3.9216 (1.7); 3.9129 (0.7); 3.9036 (1.5); 3.8920 (1.5); 3.8828 (0.9); 3.8712 (0.8); 3.7844 (0.9); 3.7654 (2.2); 3.7450 (1.8); 3.7258 (0.7); 3.4830 (1.5); 3.4652 (2.1); 3.4625 (1.6); 3.4445 (1.8); 3.3809 (0.4); 3.3621 (1.2); 3.3426 (2.1); 3.3238 (181.8); 2.7118 (0.4); 2.6808 (0.3); 2.6761 (0.7); 2.6716 (0.9); 2.6670 (0.7); 2.6624 (0.3); 2.5822 (16.0); 2.5417 (94.9); 2.5250 (2.8); 2.5202 (4.2); 2.5116 (54.2); 2.5071 (107.5); 2.5025 (140.3); 2.4980 (101.6); 2.4935 (49.2); 2.3682 (0.4); 2.3339 (0.6); 2.3293 (0.9); 2.3248 (0.6); 2.2921 (0.4); 2.2805 (0.4); 2.2729 (0.6); 2.2612 (0.9); 2.2525 (0.5); 2.2499 (0.5); 2.2414 (0.9); 2.2302 (0.6); 2.2220 (0.4); 2.2104 (0.4); 1.8433 (0.4); 1.8239 (1.0); 1.8124 (0.4); 1.8037 (1.0); 1.7932 (0.9); 1.7842 (0.4); 1.7730 (0.8); 1.7535 (0.3); −0.0002 (1.6)

I-047: ^{1}H-NMR(300.2 MHz, CDCl3):
δ =7.5817 (2.3); 7.4052 (0.6); 7.3774 (3.9); 7.3704 (2.9); 7.3650 (2.4); 7.3425 (0.4); 7.3369 (0.4); 7.2983 (10.9); 7.1501 (0.5); 7.1451 (0.4); 7.1345 (0.3); 7.1228 (1.8); 7.1142 (1.3); 7.1019 (3.6); 7.0930 (1.3); 7.0859 (1.4); 7.0660 (0.4); 6.8681 (0.6); 6.8556 (0.7); 6.8466 (1.0); 6.8375 (1.0); 6.8212 (0.6); 6.8141 (0.6); 6.5223 (0.4); 6.5039 (0.8); 6.4828 (0.4); 6.0902 (0.5); 6.0794 (0.6); 6.0687 (0.6); 6.0579 (0.5); 5.9357 (0.5); 5.9250 (0.5); 5.9144 (0.6); 5.9037 (0.5); 4.2173 (0.4); 4.2061 (0.4); 4.1954 (0.4); 4.1841 (0.5); 4.1339 (0.4); 4.1229 (0.4); 4.1123 (0.4); 4.0262 (0.3); 4.0056 (0.6); 3.9847 (0.4); 3.9565 (0.4); 3.9482 (0.4); 3.9280 (0.6); 3.9069 (0.4); 3.8787 (0.4); 3.8576 (0.4); 2.4597 (1.6); 2.4459 (16.0); 2.1560 (0.4); 2.1386 (0.5); 2.1274 (0.5); 2.1103 (0.9); 2.0928 (0.6); 2.0819 (0.6); 2.0423 (1.4); 1.5977 (3.1); 1.0814 (0.7); 1.0661 (1.9); 1.0592 (2.0); 1.0444 (1.1); 1.0375 (2.0); 1.0310 (1.8); 1.0163 (0.9); 0.8243 (0.9); 0.8092 (2.3); 0.8038 (2.1); 0.7923 (2.0); 0.7869 (2.4); 0.7703 (0.7); 0.1073 (0.8); 0.0481 (0.4); 0.0374 (10.8); 0.0265 (0.4)

I-048: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.0374 (1.5); 9.0160 (1.5); 7.8268 (6.6); 7.7205 (0.6); 7.7005 (1.6); 7.6813 (1.4); 7.6427 (1.9); 7.6238 (3.5); 7.5812 (1.4); 7.5591 (1.1); 7.3366 (3.0); 7.2483 (7.6); 5.1457 (0.8); 5.1292 (0.8); 5.1111 (0.3); 4.0555 (0.4); 4.0377 (1.1); 4.0199 (1.2); 4.0022 (0.4); 3.3230 (16.5); 2.7648 (0.6); 2.7502 (1.5); 2.7391 (1.6); 2.6702 (0.4); 2.6063 (16.0); 2.5234 (1.0); 2.5100 (22.6); 2.5057 (45.1); 2.5013 (58.8); 2.4969 (42.4); 2.4926 (20.8); 2.3282 (0.3); 2.0150 (0.4); 1.9888 (5.5); 1.9714 (0.6); 1.9563 (0.5); 1.8850 (0.4); 1.8655 (0.5); 1.8588 (0.6); 1.8398 (0.5); 1.7950 (0.3); 1.7716 (1.0); 1.7531 (1.3); 1.7305 (1.0); 1.3970 (0.6); 1.1922 (1.3); 1.1744 (2.5); 1.1567 (1.2); −0.0002 (0.9)

I-049: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 11.7200 (2.0); 7.9527 (1.0); 7.8648 (1.0); 7.8288 (5.6); 7.7341 (0.7); 7.7144 (2.1); 7.6946 (1.7); 7.6632 (2.2); 7.6435 (1.2); 7.6076 (0.6); 7.5901 (2.4); 7.5506 (1.4); 7.5313 (1.0); 7.3642 (0.3); 7.1997 (2.3); 7.1806 (2.6); 7.1583 (0.4); 7.1273 (0.3); 7.1091 (0.3); 7.0279 (0.9); 7.0122 (2.9); 6.8897 (1.5); 6.8706 (1.3); 5.0383 (1.5); 4.9271 (7.7); 4.6788 (0.5); 3.3333 (30.3); 2.8917 (6.8); 2.7333 (6.0); 2.6104 (3.2); 2.5986 (16.0); 2.5367 (0.5); 2.5262 (1.7); 2.5120 (13.1); 2.5077 (25.7); 2.5033 (33.3); 2.4987 (24.2); 2.4944 (11.9); 2.4291 (4.6); 2.3808 (12.3); 2.2717 (0.9); 2.2271 (12.0); 2.0020 (0.4); 1.8525 (0.8); 1.2403 (1.2); −0.0002 (1.0)

I-050: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 9.0846 (0.4); 9.0652 (0.8); 9.0457 (0.4); 7.7138 (0.9); 7.6877 (0.8); 7.6604 (1.0); 7.6346 (0.4); 7.5464 (1.2); 7.5198 (0.7); 7.4859 (1.3); 7.4566 (2.4); 7.4214 (2.7); 7.3931 (1.1); 5.8316 (0.3); 5.7784

TABLE 2-continued

(0.4); 5.6747 (0.3); 3.8795 (0.4); 3.8585 (0.4); 3.8330 (0.4); 3.8107 (0.4); 3.7899 (0.4); 3.3498 (16.0); 2.7092 (1.0); 2.5528 (7.2); 2.5341 (1.5); 2.5281 (3.1); 2.5220 (4.2); 2.5159 (3.0); 2.5100 (1.4); 2.1706 (7.0); 0.0199 (3.3)

I-051: ^{1}H-NMR(499.9 MHz, d_6-DMSO):
δ = 9.3477 (2.7); 9.3354 (5.3); 9.3230 (2.6); 8.3085 (3.3); 8.2927 (6.4); 8.2769 (3.7); 8.0907 (16.0); 7.8894 (7.7); 7.8743 (8.0); 7.8573 (9.2); 7.8380 (0.4); 7.7034 (0.9); 7.6865 (0.9); 7.5981 (6.9); 7.5816 (6.6); 7.5517 (1.4); 7.5348 (1.1); 7.4994 (5.6); 7.4824 (9.1); 7.4347 (6.3); 7.4179 (3.8); 4.2091 (2.4); 4.1966 (2.7); 4.1815 (5.2); 4.1690 (5.0); 4.1538 (2.8); 4.1413 (2.4); 3.3379 (7.9); 3.3129 (1.0); 3.2827 (1.9); 3.2526 (1.0); 2.5092 (3.2); −0.0002 (1.1)

I-052: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.1324 (0.8); 8.1121 (1.5); 8.0925 (0.8); 7.6143 (0.8); 7.5884 (2.6); 7.5636 (6.4); 7.5573 (3.4); 7.5456 (13.2); 7.4917 (4.2); 7.4624 (9.4); 7.4546 (4.5); 7.4025 (8.6); 7.3749 (5.2); 7.2983 (20.7); 5.3369 (16.0); 4.2546 (2.0); 4.2343 (1.9); 4.2078 (4.3); 4.1875 (4.1); 4.1611 (2.1); 4.1408 (2.1); 3.5918 (3.8); 3.5695 (10.4); 3.5475 (4.0); 2.1254 (0.4); 2.1054 (4.3); 2.0933 (4.4); 2.0832 (11.8); 2.0729 (4.4); 2.0609 (4.0); 2.0415 (0.4); 1.5990 (6.5); 1.2921 (0.8); 0.1067 (0.7); 0.0472 (0.7); 0.0365 (21.0); 0.0256 (0.7)

I-053: ^{1}H-NMR(499.9 MHz, CDCl3):
δ =7.5319 (0.5); 7.5165 (1.7); 7.5008 (1.9); 7.4913 (2.2); 7.4751 (0.9); 7.4645 (2.2); 7.4060 (1.4); 7.3907 (1.0); 7.3685 (2.2); 7.3527 (2.4); 7.2606 (7.2); 7.1939 (2.6); 7.0498 (1.5); 7.0343 (1.3); 6.3172 (0.6); 6.3058 (1.0); 6.2939 (0.6); 6.0331 (0.5); 6.0268 (0.6); 6.0183 (0.6); 6.0120 (0.5); 5.9393 (0.5); 5.9330 (0.6); 5.9244 (0.6); 5.9182 (0.5); 5.2979 (4.4); 4.2170 (0.4); 4.2106 (0.4); 4.2032 (0.4); 4.1967 (0.4); 4.1907 (0.3); 4.1843 (0.3); 4.1768 (0.3); 4.1615 (0.4); 4.1550 (0.4); 4.1476 (0.4); 4.1411 (0.3); 3.8423 (0.3); 3.8317 (0.4); 3.8276 (0.4); 3.8167 (0.4); 3.8135 (0.4); 3.8019 (0.7); 3.7906 (0.5); 3.7873 (0.6); 3.7761 (0.4); 3.7726 (0.3); 3.7617 (0.3); 2.7104 (0.6); 2.7063 (0.7); 2.6953 (1.8); 2.6909 (1.8); 2.6801 (1.9); 2.6759 (1.9); 2.6617 (16.0); 2.3065 (11.3); 1.5703 (5.2); 1.2613 (3.4); 1.2462 (7.1); 1.2390 (0.7); 1.2310 (3.2); −0.0002 (6.5)

I-054: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.3029 (16.0); 7.9498 (1.9); 7.7222 (0.6); 7.6937 (6.2); 7.6796 (14.0); 7.6496 (0.5); 7.5446 (4.6); 7.5172 (2.7); 7.4890 (9.6); 7.4796 (2.4); 7.4704 (7.4); 7.4652 (7.4); 7.4502 (2.0); 7.4418 (2.6); 7.3039 (56.4); 5.3437 (0.4); 4.4985 (2.6); 4.4779 (2.5); 4.4500 (5.5); 4.4295 (5.3); 4.4015 (2.7); 4.3810 (2.6); 1.5974 (44.8); 1.2977 (0.7); 0.1119 (3.9); 0.0530 (2.0); 0.0423 (51.4); 0.0312 (1.6)

I-055: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 9.7835 (2.6); 9.2088 (1.2); 9.1882 (2.4); 9.1681 (1.2); 8.0017 (0.4); 7.9483 (13.7); 7.3533 (3.7); 7.3267 (4.3); 7.2937 (2.1); 7.2843 (0.7); 7.2653 (3.8); 7.2431 (1.2); 7.2375 (2.2); 7.1133 (4.4); 7.0084 (2.4); 6.9821 (2.2); 6.7366 (2.4); 6.7321 (2.5); 6.7124 (1.9); 6.7079 (2.3); 6.7021 (2.0); 6.6529 (2.1); 6.6486 (3.2); 6.6360 (3.4); 6.6286 (7.5); 6.6231 (6.8); 6.2130 (0.5); 5.7860 (1.4); 4.1426 (1.2); 4.1219 (1.2); 4.0932 (2.6); 4.0727 (2.5); 4.0435 (1.4); 4.0230 (1.3); 3.3582 (17.6); 2.5341 (6.5); 2.5281 (8.5); 2.5222 (6.2); 2.4780 (0.4); 2.4420 (11.9); 2.2722 (16.0); 0.0367 (0.5); 0.0259 (9.9); 0.0151 (0.4)

I-056: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.6142 (0.4); 7.5880 (2.0); 7.5684 (5.4); 7.5652 (5.1); 7.5518 (0.4); 7.5482 (0.4); 7.4708 (2.4); 7.4500 (0.4); 7.4338 (1.1); 7.4237 (1.6); 7.4164 (1.3); 7.4030 (1.1); 7.3953 (0.6); 7.2974 (14.1); 7.0527 (2.2); 7.0271 (3.1); 7.0021 (2.7); 6.9123 (1.6); 6.8864 (1.1); 6.7641 (1.7); 6.7249 (2.0); 6.7050 (2.2); 6.6658 (2.3); 6.1252 (3.8); 6.0662 (3.1); 6.0154 (0.6); 5.9968 (1.1); 5.9764 (0.6); 5.8682 (3.6); 5.8289 (3.3); 3.7732 (1.4); 3.7505 (3.6); 3.7299 (3.6); 3.7075 (1.5); 3.1760 (0.6); 2.9577 (0.6); 2.9483 (2.2); 2.9256 (4.4); 2.9027 (2.0); 2.3681 (0.6); 2.3187 (16.0); 2.2947 (14.2); 2.2091 (0.6); 1.6312 (0.6); 1.6097 (8.2); 1.2907 (0.9); 0.1065 (1.3); 0.0469 (0.4); 0.0361 (11.3); 0.0252 (0.4)

I-057: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.1130 (1.6); 9.0985 (3.4); 9.0840 (1.8); 8.3767 (14.9); 7.7947 (1.2); 7.7756 (3.9); 7.7435 (16.0); 7.7247 (2.6); 7.6585 (3.7); 7.6393 (2.6); 7.5052 (1.7); 7.4842 (10.9); 7.4792 (8.3); 7.4752 (7.2); 7.4580 (1.4); 7.4542 (1.5); 6.0746 (1.2); 6.0613 (2.1); 6.0496 (1.3); 5.9593 (1.2); 5.9462 (2.3); 5.9343 (1.3); 3.9315 (1.8); 3.9166 (2.8); 3.9085 (1.7); 3.9013 (1.5); 3.8740 (2.2); 3.8596 (3.2); 3.8485 (1.6); 3.3018 (54.6); 2.5049 (18.0); 2.5007 (24.5); 2.4964 (18.7); 2.0718 (1.4); −0.0002 (8.8)

I-058: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.1613 (9.7); 9.1495 (10.3); 9.0079 (2.0); 8.9935 (4.1); 8.9786 (2.2); 7.9613 (2.4); 7.8576 (10.1); 7.8458 (10.1); 7.7625 (1.7); 7.7432 (5.1); 7.7235 (4.8); 7.6993 (5.9); 7.6685 (7.4); 7.6267 (7.6); 7.5996 (4.3); 7.5793 (3.6); 7.5700 (7.7); 7.5489 (8.9); 7.3765 (4.8); 7.3713 (5.0); 7.3554 (4.2); 7.3503 (4.1); 6.0788 (1.4); 6.0664 (2.8); 6.0534 (1.6); 5.9636 (1.4); 5.9511 (2.8); 5.9382 (1.6); 3.9147 (1.9); 3.9029 (4.2); 3.8883 (2.8); 3.8618 (2.0); 3.8575 (2.0); 3.8468 (4.0); 3.8319 (2.6); 3.8086 (0.4); 3.3133 (170.5); 2.8991 (16.0); 2.7402 (14.3); 2.5136 (21.6); 2.5092 (29.9); 2.5049 (22.6)

I-059: ^{1}H-NMR(400.0 MHz, CD3CN):
δ = 7.9967 (1.3); 7.9566 (16.0); 7.9308 (6.6); 7.9104 (7.0); 7.7990 (1.8); 7.7357 (1.4); 7.7163 (4.4); 7.6967 (5.0); 7.6873 (6.1); 7.6675 (1.8); 7.5952 (0.5); 7.5707 (6.2); 7.5692 (6.1); 7.5288 (0.3); 7.5066 (3.6); 7.4871 (2.6); 7.2808 (6.2); 7.2604 (5.8); 5.4456 (1.1); 4.3717 (3.3); 4.3552 (3.3); 4.3387 (6.8); 4.3222 (6.7); 4.3058 (3.5); 4.2893 (3.4); 4.1591 (0.6); 4.1425 (0.6); 4.0677 (0.3); 4.0499 (0.3); 2.1295 (10.6); 1.9713 (1.6); 1.9635 (1.2); 1.9573 (3.2); 1.9516 (16.3); 1.9454 (29.4); 1.9393 (39.4); 1.9331 (27.1); 1.9269 (14.0); 1.2697 (0.4); 1.2214 (0.4); 1.2035 (0.8); 1.1858 (0.4); 0.1461 (0.4); 0.0079 (3.6); −0.0002 (89.3); −0.0073 (3.6); −0.0085 (3.7); −0.1494 (0.4)

I-060: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.1650 (9.5); 9.1533 (9.8); 9.0205 (3.8); 8.9995 (3.9); 7.9612 (1.0); 7.9336 (9.9); 7.9219 (9.6); 7.7501 (1.5); 7.7305 (4.4); 7.7100 (4.0); 7.6756 (13.4); 7.6587 (3.1); 7.6240 (4.4); 7.6057 (2.9); 6.8916 (16.0); 5.0722 (1.0); 5.0546 (2.2); 5.0391 (2.2); 5.0208 (1.0); 3.3132 (157.4); 2.8991 (5.8); 2.7401 (5.2); 2.6641 (5.8); 2.6506 (3.4); 2.6221 (0.3); 2.5134 (20.8); 2.5090 (27.8); 2.5047 (20.4); 2.0378 (0.7); 2.0240 (1.4); 2.0180 (1.2); 2.0109 (1.7); 1.9932 (1.6); 1.9782 (2.2); 1.9674 (1.2); 1.9480 (1.3); 1.9422 (1.3); 1.9347 (1.6); 1.9291 (1.8); 1.9154 (1.4); 1.8559 (0.6); 1.8378 (1.2); 1.8211 (1.5); 1.8151 (1.4); 1.8044 (1.2); 1.7981 (1.1); 1.7871 (1.0); 1.7698 (0.6); 1.7474 (1.2); 1.7279 (1.8); 1.7223 (1.7); 1.7035 (1.6); 1.6975 (1.6); 1.6783 (0.7)

I-061: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.1556 (1.8); 8.1659 (4.9); 7.9557 (0.4); 7.7859 (0.9); 7.7681 (1.5); 7.7600 (2.2); 7.7520 (1.8); 7.7308 (1.2); 7.7029 (2.0); 7.6961 (2.0); 7.6912 (1.7); 7.6440 (1.0); 7.6235 (0.7); 7.5667 (0.4); 7.5470 (1.9); 7.5422 (2.1); 7.5233 (1.2); 7.5041 (0.4); 3.3679 (14.5); 3.3616 (18.3); 3.3567 (17.9); 2.8932

TABLE 2-continued

(2.8); 2.7352 (2.5); 2.5159 (4.2); 2.5115 (8.9); 2.5070 (12.0); 2.5025 (8.6); 2.4981 (4.2); 1.6906 (16.0)
I-062: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.4540 (1.9); 7.4373 (1.7); 7.4265 (4.1); 7.3475 (1.2); 7.3212 (2.6); 7.2988 (10.6); 7.2283 (1.5); 7.2219 (1.4); 7.2003 (1.1); 7.1936 (1.2); 7.0151 (1.4); 6.9929 (1.9); 6.9899 (2.1); 6.9853 (2.2); 6.9663 (0.8); 6.9634 (0.8); 6.9584 (1.1); 6.9059 (1.6); 6.8995 (2.1); 6.8928 (1.2); 6.6096 (0.5); 6.5887 (0.8); 6.5686 (0.5); 6.0795 (0.4); 6.0689 (0.5); 6.0569 (0.5); 6.0465 (0.5); 5.9244 (0.5); 5.9140 (0.5); 5.9020 (0.5); 5.8916 (0.5); 4.1924 (0.4); 4.1819 (0.4); 4.1704 (0.4); 4.1599 (0.4); 4.1547 (0.3); 4.1055 (0.4); 4.0949 (0.3); 4.0836 (0.3); 4.0730 (0.3); 3.9551 (0.3); 3.9335 (0.5); 3.9129 (0.4); 3.8799 (0.4); 3.8599 (0.5); 3.8374 (0.4); 3.8105 (0.4); 2.4139 (16.0); 1.9615 (0.5); 1.9503 (0.6); 1.9335 (1.1); 1.9167 (0.6); 1.9056 (0.6); 1.8887 (0.3); 1.5969 (6.8); 1.3054 (1.7); 1.0399 (0.7); 1.0246 (1.8); 1.0179 (2.0); 1.0030 (1.2); 0.9963 (2.0); 0.9896 (1.8); 0.9751 (1.0); 0.9418 (0.6); 0.9203 (1.9); 0.8968 (0.7); 0.7582 (0.9); 0.7429 (2.3); 0.7368 (2.1); 0.7266 (2.0); 0.7207 (2.4); 0.7045 (0.8); 0.1080 (0.8); 0.0489 (0.4); 0.0382 (10.0); 0.0273 (0.4)
I-063: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.3849 (1.6); 7.3582 (1.8); 7.3298 (1.0); 7.3033 (2.7); 7.2987 (9.0); 7.2772 (1.4); 7.0892 (1.7); 7.0036 (2.1); 6.9819 (2.1); 6.9776 (2.9); 6.9588 (0.8); 6.9558 (0.7); 6.9508 (1.0); 6.9478 (0.9); 6.8944 (1.4); 6.8880 (1.8); 6.8813 (1.1); 6.5426 (0.4); 6.5226 (0.8); 6.5030 (0.4); 5.3373 (3.0); 4.2577 (0.8); 4.2367 (0.8); 4.2092 (1.8); 4.1882 (1.7); 4.1606 (0.9); 4.1396 (0.8); 2.5263 (5.2); 2.5196 (3.0); 2.3521 (16.0); 2.3441 (7.8); 1.9528 (0.5); 1.9415 (0.5); 1.9248 (1.0); 1.9134 (0.4); 1.9080 (0.5); 1.8968 (0.5); 1.5920 (2.4); 1.0326 (0.6); 1.0174 (1.6); 1.0106 (1.8); 1.0049 (1.0); 0.9957 (1.0); 0.9890 (1.8); 0.9823 (1.6); 0.9677 (0.8); 0.7511 (0.8); 0.7359 (2.0); 0.7297 (1.8); 0.7195 (1.7); 0.7137 (2.2); 0.6974 (0.6); 0.0393 (8.5)
I-064: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5316 (0.3); 7.5084 (1.0); 7.4364 (0.5); 7.3907 (0.4); 7.3823 (0.6); 7.3553 (0.6); 7.2983 (2.8); 7.0800 (0.5); 4.1765 (0.4); 4.1557 (0.4); 3.3426 (0.7); 3.3263 (0.7); 2.4992 (1.5); 2.4921 (0.8); 2.3427 (2.1); 1.5893 (2.0); 1.3507 (6.6); 0.2343 (0.8); 0.2233 (16.0); 0.2137 (0.5); 0.2123 (0.6); 0.0384 (3.0)
I-065: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.2969 (13.4); 8.0973 (0.8); 8.0806 (1.4); 7.5107 (1.8); 7.4846 (4.3); 7.4582 (2.7); 7.3709 (3.6); 7.3444 (4.1); 7.2985 (26.4); 7.2673 (2.6); 7.2409 (2.1); 7.1761 (1.7); 7.1707 (2.4); 7.1407 (4.8); 7.1340 (3.9); 7.0734 (3.9); 6.9868 (2.1); 6.9603 (1.8); 4.2952 (2.0); 4.2753 (1.9); 4.2470 (4.3); 4.2271 (4.1); 4.1986 (2.3); 4.1789 (2.2); 4.1726 (1.3); 4.1487 (1.0); 4.1248 (0.3); 2.8917 (0.8); 2.8644 (0.9); 2.8502 (1.2); 2.8233 (1.3); 2.8094 (0.9); 2.7822 (0.9); 2.5181 (6.4); 2.5112 (11.8); 2.5037 (6.5); 2.3244 (16.0); 2.0836 (4.7); 2.0442 (2.1); 1.9862 (0.7); 1.9694 (0.8); 1.9596 (0.9); 1.9453 (1.2); 1.9292 (1.1); 1.9194 (1.3); 1.9034 (1.4); 1.8896 (0.7); 1.8798 (0.9); 1.8629 (0.9); 1.7413 (0.8); 1.7280 (0.9); 1.7144 (1.5); 1.7009 (1.9); 1.6862 (1.3); 1.6722 (1.8); 1.6588 (1.7); 1.6452 (1.0); 1.6320 (1.1); 1.5941 (1.5); 1.3219 (1.3); 1.2981 (2.7); 1.2743 (1.2); 0.1087 (1.2); 0.0497 (1.2); 0.0389 (32.4); 0.0280 (1.1)
I-066: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.3253 (0.5); 9.3056 (0.5); 9.1648 (1.4); 9.1451 (1.4); 8.8116 (0.6); 8.8085 (0.7); 8.8005 (0.7); 8.7974 (0.7); 8.7574 (0.6); 8.7545 (0.6); 8.7365 (0.7); 8.7335 (0.6); 8.4007 (2.5); 7.7066 (0.6); 7.6874 (1.7); 7.6683 (1.9); 7.6576 (1.2); 7.6477 (0.8); 7.6362 (2.0); 7.6291 (3.0); 7.6083 (1.3); 7.5899 (2.3); 7.5627 (0.6); 7.5315 (1.4); 7.5091 (1.1); 7.4915 (7.7); 7.4665 (1.2); 7.4452 (1.7); 7.4093 (3.0); 7.3881 (5.1); 7.3633 (2.0); 7.3469 (0.7); 7.3419 (1.6); 7.3383 (1.3); 7.3324 (5.9); 7.3158 (1.4); 7.3111 (3.3); 5.1550 (0.4); 5.1012 (0.8); 5.0830 (1.2); 5.0647 (0.8); 3.9924 (16.0); 3.9031 (3.9); 3.4801 (0.5); 3.3277 (98.7); 2.6759 (0.8); 2.6715 (1.1); 2.6670 (0.8); 2.5247 (4.8); 2.5112 (74.4); 2.5070 (142.2); 2.5026 (181.2); 2.4981 (132.5); 2.4939 (67.8); 2.3338 (0.8); 2.3293 (1.0); 2.3249 (0.8); 1.4717 (2.0); 1.4543 (2.0); 1.4169 (6.0); 1.3994 (6.0); 1.3765 (0.6); 1.2355 (0.4); −0.0001 (0.7)
I-067: ^{1}H-NMR(400.0 MHz, CD3CN):
δ = 7.9759 (16.0); 7.9610 (0.3); 7.8057 (1.6); 7.7210 (1.4); 7.7016 (4.6); 7.6819 (7.1); 7.6759 (6.6); 7.6563 (1.7); 7.5779 (1.7); 7.5552 (7.5); 7.5405 (3.5); 7.5186 (1.8); 7.5035 (3.8); 7.4849 (2.9); 7.0514 (1.6); 7.0460 (1.6); 7.0232 (3.0); 7.0004 (1.4); 6.9950 (1.5); 6.9135 (1.6); 6.9090 (1.5); 6.8920 (3.0); 6.8707 (1.5); 5.4454 (1.4); 4.2524 (3.2); 4.2360 (3.2); 4.2182 (6.6); 4.2018 (6.5); 4.1839 (3.3); 4.1675 (3.3); 4.0677 (0.4); 4.0499 (0.4); 2.1321 (8.3); 1.9712 (1.9); 1.9633 (1.1); 1.9571 (2.7); 1.9514 (13.1); 1.9453 (23.5); 1.9392 (31.4); 1.9330 (21.6); 1.9268 (11.1); 1.2686 (0.6); 1.2214 (0.5); 1.2036 (0.9); 1.1857 (0.5); 0.9756 (0.4); 0.1460 (0.4); 0.0078 (3.1); −0.0002 (69.0); −0.1496 (0.4)
I-068: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 8.8340 (1.7); 8.8202 (3.4); 8.8063 (1.7); 8.7328 (5.5); 8.0979 (16.0); 7.9143 (2.9); 7.9085 (3.0); 7.8937 (3.3); 7.8880 (3.3); 7.7372 (1.3); 7.7177 (4.4); 7.6979 (5.9); 7.6906 (6.1); 7.6710 (1.8); 7.6267 (6.1); 7.5615 (3.6); 7.5349 (5.9); 7.5138 (4.6); 3.7726 (2.2); 3.7567 (6.0); 3.7413 (6.2); 3.7255 (2.5); 3.3433 (50.4); 3.1469 (4.0); 3.1305 (7.7); 3.1142 (3.7); 2.8945 (0.5); 2.7357 (0.5); 2.5115 (23.4); 2.5074 (30.8); 2.5031 (22.9); 1.2396 (1.2); −0.0002 (4.0)
I-069: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.1170 (1.9); 9.1015 (4.0); 9.0855 (2.1); 8.2929 (0.3); 8.2140 (15.5); 7.9610 (1.4); 7.8416 (7.6); 7.6666 (1.9); 7.6467 (4.9); 7.6267 (3.8); 7.5725 (4.9); 7.5529 (3.3); 7.5308 (16.0); 7.4424 (2.6); 7.4380 (2.6); 7.4211 (5.2); 7.4169 (5.5); 7.3801 (9.6); 7.3690 (6.9); 7.3592 (5.9); 7.3183 (3.6); 7.2979 (3.3); 7.2934 (3.0); 4.1716 (1.9); 4.1560 (2.1); 4.1371 (4.3); 4.1214 (4.4); 4.1024 (2.4); 4.0867 (2.2); 3.3133 (201.7); 2.8994 (8.5); 2.7404 (7.8); 2.5137 (23.8); 2.5094 (32.9); 2.5051 (25.3); 2.4545 (0.5)
I-070: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ =9.3418 (1.9); 9.3263 (4.0); 9.3105 (2.0); 7.9619 (2.6); 7.8969 (6.7); 7.8934 (6.7); 7.7706 (1.5); 7.7507 (4.4); 7.7311 (4.2); 7.7125 (5.3); 7.6927 (2.4); 7.6190 (6.1); 7.5672 (3.5); 7.5475 (2.9); 7.4987 (4.5); 7.4775 (7.4); 7.4203 (4.5); 7.4164 (4.4); 7.3995 (2.8); 7.3952 (2.8); 4.3606 (1.6); 4.3448 (1.8); 4.3253 (3.6); 4.3097 (3.6); 4.2894 (2.0); 4.2738 (1.9); 3.5458 (4.2); 3.5282 (9.5); 3.5108 (5.0); 3.3148 (40.0); 3.2544 (44.9); 3.2324 (1.3); 3.2037 (0.5); 2.8997 (16.0); 2.8783 (4.3); 2.8609 (7.8); 2.8433 (4.0); 2.7407 (14.4); 2.5140 (25.0); 2.5098 (33.4); 2.5055 (25.2)
I-071: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 8.9675 (3.6); 8.9468 (3.6); 8.3636 (0.4); 8.3376 (15.3); 7.9609 (1.4); 7.7911 (0.4); 7.7725 (16.0); 7.6337 (2.0); 7.6139 (4.8); 7.5939 (3.3); 7.5250 (4.7); 7.5058 (3.1); 7.3417 (6.1); 7.3074 (3.6); 7.2868 (3.0); 6.6696 (15.1); 4.8696 (0.9); 4.8500 (2.0); 4.8377 (1.9); 4.8201 (1.0); 3.3128 (175.6); 2.8992 (9.4); 2.7400 (8.4); 2.6506 (0.3); 2.6093 (4.1); 2.5992 (4.3); 2.5582 (0.5); 2.5134 (21.3); 2.5090 (28.8); 2.5047 (21.3); 1.8432 (0.6); 1.8122 (3.0); 1.7994 (3.3); 1.7870 (3.0); 1.7538 (0.9); 1.7407

TABLE 2-continued

(0.6); 1.7150 (1.3); 1.6971 (1.4); 1.6819 (1.1); 1.6560 (0.5); 1.5460 (0.3); 1.5267 (1.1); 1.5078 (1.9); 1.4859 (1.6); 1.4610 (0.8)

I-072: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 7.5664 (3.0); 7.5626 (2.5); 7.5573 (4.4); 7.4545 (2.5); 7.4051 (1.0); 7.3969 (1.4); 7.3933 (1.2); 7.3875 (1.0); 7.3825 (0.6); 7.3196 (2.2); 7.3036 (2.3); 7.2598 (3.8); 6.9924 (2.8); 6.8282 (1.5); 6.8124 (1.4); 6.5730 (0.7); 6.5655 (0.9); 6.5583 (0.8); 6.5511 (0.7); 5.2962 (2.5); 4.5774 (0.4); 4.5717 (0.4); 4.5612 (0.4); 4.5550 (0.4); 4.5507 (0.4); 4.5448 (0.5); 4.5339 (0.3); 4.5285 (0.4); 3.8495 (0.3); 3.8405 (0.4); 3.8306 (0.5); 3.8211 (0.5); 3.8127 (0.5); 3.8045 (0.4); 3.1446 (16.0); 2.4477 (7.7); 2.2214 (10.3); 1.2555 (0.7); −0.0002 (4.7)

I-073: ^{1}H-NMR(400.0 MHz, CD3CN):
δ = 8.2415 (6.0); 8.2366 (6.3); 8.1662 (1.5); 8.0912 (16.0); 8.0065 (6.6); 8.0015 (6.3); 7.7094 (1.0); 7.6897 (4.0); 7.6718 (11.1); 7.6544 (1.0); 7.5141 (5.4); 7.4684 (2.0); 7.4629 (3.6); 7.4577 (2.1); 7.4524 (1.4); 7.4458 (2.6); 4.4476 (3.2); 4.4313 (3.2); 4.4145 (6.8); 4.3982 (6.7); 4.3814 (3.4); 4.3651 (3.4); 2.1293 (18.4); 1.9635 (1.3); 1.9574 (3.2); 1.9516 (17.3); 1.9454 (31.3); 1.9393 (42.1); 1.9331 (29.2); 1.9269 (15.1); 1.2685 (0.4); 0.1460 (0.4); 0.0079 (3.7); −0.0002 (93.6); −0.0084 (4.2); −0.1497 (0.5)

I-074: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.1051 (0.9); 9.0909 (1.9); 9.0759 (1.0); 7.9619 (1.9); 7.7580 (3.6); 7.7227 (0.9); 7.7030 (2.4); 7.6831 (1.9); 7.6470 (2.5); 7.6289 (1.7); 7.5354 (3.0); 7.5207 (1.2); 7.5162 (1.1); 7.4997 (4.6); 7.4957 (3.9); 7.4802 (6.1); 7.4592 (1.7); 7.2873 (0.4); 6.0275 (0.6); 6.0151 (1.2); 6.0026 (0.6); 5.9121 (0.6); 5.8997 (1.3); 5.8870 (0.6); 3.9219 (1.1); 3.9083 (1.8); 3.8944 (1.1); 3.8638 (1.1); 3.8499 (1.9); 3.8361 (1.1); 3.3153 (20.8); 2.9308 (0.3); 2.8997 (11.6); 2.7407 (10.4); 2.5463 (16.4); 2.5141 (12.1); 2.5098 (16.2); 2.5055 (12.3); 2.1730 (16.0)

I-075: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 8.7145 (2.2); 8.7012 (1.2); 8.3161 (0.6); 8.0485 (16.0); 8.0174 (0.5); 8.0020 (0.3); 7.7353 (1.0); 7.7159 (3.2); 7.6964 (3.9); 7.6874 (4.4); 7.6679 (1.3); 7.5737 (4.4); 7.5059 (2.7); 7.4868 (2.1); 7.4575 (5.0); 7.4364 (6.0); 7.3309 (6.6); 7.3254 (7.5); 7.2738 (3.8); 7.2683 (3.2); 7.2528 (3.1); 7.2473 (2.7); 3.9026 (3.8); 3.5662 (1.4); 3.5538 (5.4); 3.5419 (5.5); 3.5200 (1.2); 3.5024 (0.5); 3.3273 (189.8); 2.6758 (1.4); 2.6713 (1.8); 2.6668 (1.3); 2.5415 (1.3); 2.5246 (7.1); 2.5111 (124.7); 2.5068 (240.1); 2.5024 (305.1); 2.4978 (218.3); 2.4934 (106.6); 2.3336 (1.3); 2.3291 (1.8); 2.3246 (1.3); 1.4451 (1.2); 1.2587 (0.5); 1.2347 (0.9); 1.2134 (8.5); 1.1974 (8.5); −0.0002 (1.3)

I-076: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.8055 (3.8); 8.8003 (2.6); 8.7906 (2.6); 8.7854 (3.8); 7.6537 (0.3); 7.6276 (1.8); 7.6073 (5.5); 7.6040 (4.5); 7.5868 (0.5); 7.5408 (2.4); 7.5281 (0.5); 7.5107 (1.1); 7.5015 (1.7); 7.4942 (1.1); 7.4802 (1.0); 7.4732 (0.6); 7.3619 (4.9); 7.3564 (3.1); 7.3472 (3.1); 7.3417 (4.9); 7.3166 (0.4); 7.2985 (24.7); 7.2380 (2.1); 7.2114 (2.5); 7.0425 (2.6); 6.9919 (1.8); 6.9652 (1.5); 6.9388 (1.2); 6.3845 (0.6); 6.3640 (1.1); 6.3442 (0.6); 4.0355 (1.2); 4.0150 (1.1); 3.9858 (2.5); 3.9653 (2.4); 3.9362 (1.3); 3.9155 (1.2); 3.6584 (4.1); 2.3930 (7.6); 2.3858 (4.4); 2.3633 (0.5); 2.3520 (0.4); 2.3135 (10.2); 1.6201 (16.0); 1.2921 (0.6); 0.0475 (0.8); 0.0367 (21.6); 0.0257 (0.8)

I-077: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 7.8886 (0.9); 7.8784 (1.3); 7.5633 (0.4); 7.5531 (0.4); 7.5359 (0.9); 7.5205 (2.1); 7.5050 (4.7); 7.4889 (0.9); 7.4594 (3.0); 7.3873 (1.8); 7.3731 (1.3); 7.2594 (8.4); 7.0891 (2.3); 7.0737 (2.6); 6.9596 (3.3); 6.8904 (1.8); 6.8753 (1.5); 4.1832 (8.2); 3.7709 (1.4); 3.7573 (3.1); 3.7449 (3.0); 3.7313 (1.2); 3.1916 (16.0); 3.0161 (0.4); 2.9468 (2.4); 2.9329 (4.3); 2.9188 (2.1); 2.3019 (14.8); 2.2812 (1.5); 2.2672 (14.1); 2.2410 (0.4); 2.2228 (0.4); 2.2172 (0.6); 2.0834 (0.5); 2.0233 (15.4); 2.0021 (1.4); 1.4148 (1.2); 1.2552 (0.7); 1.1080 (3.6); 0.9900 (0.4); −0.0002 (8.3)

I-078: ^{1}H-NMR(499.9 MHz, d_6-DMSO):
δ = 9.0968 (1.4); 9.0854 (2.4); 9.0736 (1.3); 7.7752 (1.0); 7.7593 (2.3); 7.7429 (2.0); 7.7233 (3.3); 7.7081 (1.6); 7.5128 (5.6); 7.2891 (2.7); 7.2734 (2.8); 7.0235 (4.2); 6.7944 (2.4); 6.7788 (2.1); 4.4041 (0.4); 3.7558 (0.4); 3.5092 (16.0); 3.3192 (22.2); 2.5019 (26.1); 2.3838 (11.1); 2.1616 (13.7)

I-079: ^{1}H-NMR(400.0 MHz, CD3CN):
δ = 7.9732 (16.0); 7.9006 (0.4); 7.7317 (1.3); 7.7121 (4.2); 7.6926 (4.8); 7.6833 (5.4); 7.6638 (1.7); 7.5980 (1.3); 7.5828 (1.1); 7.5552 (5.4); 7.4883 (3.2); 7.4689 (2.5); 7.3770 (7.5); 7.3715 (7.7); 7.3134 (7.5); 7.2927 (8.3); 6.9383 (4.5); 6.9329 (4.4); 6.9176 (4.0); 6.9122 (3.9); 5.4454 (7.3); 4.0675 (0.5); 4.0497 (0.6); 3.6129 (7.7); 3.5974 (7.7); 2.1296 (8.6); 1.9711 (2.4); 1.9634 (1.0); 1.9574 (2.5); 1.9515 (13.4); 1.9454 (24.2); 1.9392 (32.4); 1.9330 (22.2); 1.9269 (11.4); 1.2681 (0.6); 1.2214 (0.6); 1.2036 (1.2); 1.1857 (0.6); 1.0891 (3.4); 1.0766 (10.2); 1.0731 (10.2); 1.0613 (4.3); 1.0241 (0.4); 0.9008 (0.4); 0.8803 (0.4); 0.8760 (0.4); 0.8632 (4.2); 0.8512 (10.0); 0.8480 (10.1); 0.8354 (3.3); 0.1459 (0.4); 0.0079 (2.8); −0.0002 (73.0); −0.0085 (2.8); −0.1497 (0.3)

I-080: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.2612 (5.6); 8.0275 (0.8); 8.0161 (1.4); 7.4157 (1.4); 7.4115 (2.1); 7.3962 (4.5); 7.3909 (2.8); 7.3761 (1.6); 7.2622 (8.3); 7.2305 (1.5); 7.2194 (1.6); 7.2139 (2.1); 7.1985 (1.3); 7.1936 (1.2); 7.0804 (1.5); 7.0756 (2.4); 7.0708 (1.5); 6.9711 (1.2); 6.9665 (1.1); 6.9512 (1.1); 6.9464 (1.0); 6.0745 (0.5); 6.0667 (0.5); 6.0571 (0.5); 6.0492 (0.5); 5.9582 (0.5); 5.9504 (0.5); 5.9408 (0.5); 5.9330 (0.5); 4.2364 (0.3); 4.2279 (0.3); 4.2197 (0.4); 4.1780 (0.3); 4.1698 (0.3); 4.1614 (0.3); 3.8356 (0.4); 3.8311 (0.3); 3.8181 (0.3); 3.7946 (0.6); 3.7816 (0.6); 3.7641 (0.3); 2.9568 (6.7); 2.8836 (6.3); 2.5082 (16.0); 1.5752 (5.8); −0.0002 (2.3)

I-081: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.6023 (0.5); 7.5761 (3.0); 7.5675 (2.5); 7.5635 (2.8); 7.5571 (8.0); 7.5538 (7.5); 7.5421 (0.6); 7.5379 (0.6); 7.4811 (3.6); 7.4606 (0.5); 7.4541 (0.4); 7.4455 (1.6); 7.4341 (2.3); 7.4272 (2.1); 7.4147 (1.6); 7.4070 (0.9); 7.3821 (3.5); 7.3554 (4.0); 7.2983 (16.5); 7.0825 (4.0); 7.0098 (2.2); 6.9836 (1.9); 6.7410 (2.6); 6.7018 (3.0); 6.6820 (3.3); 6.6428 (3.4); 6.4092 (1.0); 6.3894 (1.8); 6.3691 (1.0); 6.1084 (6.0); 6.0494 (5.0); 5.8475 (6.0); 5.8082 (5.5); 4.2481 (2.0); 4.2274 (1.8); 4.1990 (4.2); 4.1783 (3.9); 4.1498 (2.1); 4.1291 (2.0); 2.5062 (12.0); 2.4993 (6.8); 2.3918 (0.4); 2.3575 (0.3); 2.3235 (16.0); 1.6009 (12.3); 1.2921 (0.4); 0.0480 (0.5); 0.0373 (13.7); 0.0279 (0.4); 0.0264 (0.5)

I-082: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.1835 (1.2); 9.1682 (2.5); 9.1527 (1.3); 8.2970 (11.6); 7.7924 (0.9); 7.7731 (2.8); 7.7536 (3.2); 7.7412 (3.9); 7.7108 (4.3); 7.6429 (2.5); 7.6233 (1.9); 7.3224 (3.5); 7.3024 (3.9); 7.0704 (4.3); 6.9036 (2.3); 6.8835 (2.2); 4.1667 (1.2); 4.1512 (1.2); 4.1300 (2.7); 4.1144 (2.7); 4.0932 (1.5); 4.0776 (1.4); 3.3012 (12.6); 2.5049 (9.3); 2.5005 (12.4); 2.4961 (9.2); 2.4216 (11.4); 2.2057 (16.0); 2.0715

TABLE 2-continued

(1.7); −0.0002 (4.1)
I-083: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5788 (0.8); 7.5735 (0.5); 7.5641 (1.2); 7.5613 (1.4); 7.5462 (0.9); 7.5173 (1.2); 7.4686 (0.7); 7.4497 (0.4); 7.4152 (0.4); 7.4003 (0.7); 7.3937 (1.5); 7.3647 (0.8); 7.2987 (2.8); 4.2126 (0.6); 4.1917 (0.6); 4.1652 (0.3); 2.7897 (1.3); 1.7460 (2.9); 1.6093 (16.0); 0.0326 (3.1)
I-084: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 8.9551 (1.3); 8.9346 (1.3); 7.9562 (1.2); 7.7585 (6.3); 7.6933 (0.6); 7.6737 (1.7); 7.6565 (2.2); 7.6390 (2.2); 7.6308 (1.9); 7.6110 (0.8); 7.5671 (2.2); 7.5120 (1.2); 7.4920 (0.9); 7.3862 (1.9); 7.3656 (2.3); 7.2924 (4.3); 7.1282 (1.0); 7.1103 (1.7); 7.0922 (0.9); 7.0900 (1.0); 6.9004 (1.1); 6.8823 (1.9); 6.8631 (0.9); 5.4628 (0.7); 5.4447 (1.1); 5.4261 (0.8); 3.7143 (16.0); 3.3871 (126.0); 2.8954 (8.0); 2.7373 (7.1); 2.5910 (15.2); 2.5317 (0.3); 2.5269 (0.5); 2.5184 (7.5); 2.5140 (15.8); 2.5095 (21.3); 2.5050 (15.4); 2.5006 (7.4); 1.6015 (5.8); 1.5845 (5.7)
I-085: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5558 (2.7); 7.5512 (1.8); 7.5384 (4.0); 7.5248 (0.3); 7.4747 (1.9); 7.4280 (2.1); 7.4183 (1.8); 7.4120 (2.4); 7.4079 (2.1); 7.3999 (3.2); 7.3892 (0.9); 7.3823 (1.2); 7.3757 (1.0); 7.3666 (0.7); 7.3586 (0.5); 7.2986 (1.7); 7.2319 (2.0); 7.2254 (2.2); 7.2043 (2.3); 7.1975 (1.6); 7.1861 (0.6); 6.0481 (0.4); 6.0383 (0.5); 6.0246 (0.5); 6.0147 (0.5); 5.8927 (0.5); 5.8828 (0.5); 5.8692 (0.5); 5.8592 (0.5); 5.3306 (0.6); 4.1644 (0.4); 4.1408 (0.7); 4.1363 (0.4); 4.1258 (0.4); 4.1170 (0.9); 4.1046 (0.4); 4.0940 (0.6); 4.0727 (0.6); 4.0453 (0.4); 4.0350 (0.3); 4.0241 (0.4); 3.8956 (0.4); 3.8928 (0.4); 3.8723 (0.4); 3.8674 (0.3); 3.8433 (0.6); 3.8232 (0.6); 3.7994 (0.4); 3.7942 (0.3); 3.7709 (0.3); 2.3148 (16.0); 2.0630 (3.8); 1.3072 (0.9); 1.2894 (1.2); 1.2834 (1.9); 1.2596 (0.9); 0.9886 (0.3); 0.9642 (0.6); 0.0331 (1.4)
I-086: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.2682 (10.5); 8.0280 (1.7); 8.0162 (3.3); 7.4785 (2.0); 7.4588 (4.5); 7.4390 (2.8); 7.4100 (3.3); 7.3895 (7.9); 7.2618 (20.2); 7.2372 (3.1); 7.2179 (2.6); 7.1961 (3.0); 7.1914 (2.7); 7.1753 (2.4); 7.1705 (2.4); 7.1290 (2.0); 7.1242 (2.6); 7.1039 (2.7); 7.0909 (4.4); 6.0772 (0.9); 6.0691 (1.1); 6.0598 (1.1); 6.0518 (1.0); 5.9610 (0.9); 5.9529 (1.1); 5.9434 (1.1); 5.9355 (1.0); 4.2866 (0.4); 4.2783 (0.5); 4.2697 (0.5); 4.2620 (0.5); 4.2500 (0.6); 4.2416 (0.6); 4.2331 (0.6); 4.2243 (0.7); 4.2124 (0.5); 4.2039 (0.5); 4.1959 (0.5); 4.1834 (0.6); 4.1752 (0.6); 4.1671 (0.6); 4.1590 (0.6); 3.8498 (0.4); 3.8358 (0.7); 3.8178 (0.6); 3.7989 (1.0); 3.7822 (1.0); 3.7643 (0.6); 3.7454 (0.6); 3.7289 (0.4); 2.9566 (16.0); 2.8834 (14.9); 2.8480 (0.9); 2.8277 (1.0); 2.8172 (1.5); 2.7967 (1.6); 2.7863 (1.1); 2.7659 (1.0); 1.9377 (0.6); 1.9252 (0.6); 1.9179 (0.7); 1.9068 (1.4); 1.8952 (1.1); 1.8877 (1.3); 1.8756 (1.5); 1.8653 (0.7); 1.8579 (0.7); 1.8453 (0.7); 1.6940 (0.5); 1.6844 (0.5); 1.6740 (0.9); 1.6638 (1.4); 1.6537 (1.0); 1.6434 (1.3); 1.6321 (1.0); 1.6236 (0.5); 1.6125 (0.5); 1.5701 (18.5); −0.0002 (5.8)
I-087: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.2187 (2.0); 9.2033 (4.2); 9.1877 (2.0); 8.3169 (0.6); 7.9848 (16.0); 7.7582 (1.8); 7.7390 (4.7); 7.7167 (10.0); 7.7116 (9.5); 7.6856 (2.6); 7.6573 (6.6); 7.5723 (3.8); 7.5528 (3.1); 7.5139 (5.8); 7.4929 (6.9); 7.2984 (4.1); 7.2949 (4.0); 7.2779 (3.5); 7.2739 (3.4); 4.2910 (1.9); 4.2750 (2.1); 4.2556 (4.1); 4.2400 (4.0); 4.2207 (2.2); 4.2048 (2.2); 4.1893 (2.5); 4.1636 (6.8); 4.1380 (7.0); 4.1124 (2.4); 3.9029 (3.3); 3.3294 (262.4); 2.6757 (2.3); 2.6717 (2.9); 2.6676 (2.3); 2.5069 (404.2); 2.5027 (494.5); 2.4985 (369.1); 2.3338 (2.2); 2.3294 (2.8); 2.3253 (2.2); 1.2984 (0.4); 1.2670 (0.4); 1.2581 (0.6); 1.2355 (1.0); 0.8616 (0.5); 0.8432 (0.5); −0.0002 (1.6)
I-088: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.3739 (3.2); 9.3544 (3.2); 8.6198 (16.0); 7.9592 (1.2); 7.7928 (1.5); 7.7747 (9.2); 7.7621 (6.6); 7.7543 (8.1); 7.7469 (8.1); 7.7298 (4.6); 7.6864 (3.5); 7.6675 (2.2); 7.6050 (1.9); 7.5853 (4.6); 7.5703 (3.7); 7.5517 (3.7); 7.5326 (1.2); 5.2991 (0.5); 5.2812 (1.9); 5.2632 (2.8); 5.2449 (1.9); 5.2264 (0.5); 3.3184 (59.9); 2.8967 (7.6); 2.7377 (6.6); 2.6806 (0.6); 2.6763 (0.8); 2.6716 (0.6); 2.5116 (98.7); 2.5072 (127.6); 2.5029 (91.6); 2.3387 (0.6); 2.3340 (0.8); 2.3296 (0.5); 1.5060 (13.2); 1.4884 (13.0)
I-089: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.1049 (0.8); 8.0869 (1.5); 8.0692 (0.9); 7.8663 (10.5); 7.6212 (0.6); 7.5953 (2.5); 7.5720 (7.4); 7.5489 (0.7); 7.4607 (3.6); 7.4261 (1.5); 7.4179 (2.5); 7.4105 (1.3); 7.3954 (1.6); 7.3553 (3.5); 7.3287 (4.0); 7.3046 (15.6); 7.0698 (3.9); 6.9752 (2.1); 6.9488 (1.8); 5.4528 (2.6); 4.2978 (1.8); 4.2779 (1.8); 4.2498 (3.9); 4.2299 (3.8); 4.2018 (2.0); 4.1819 (1.8); 2.6877 (0.7); 2.6725 (1.1); 2.6657 (1.4); 2.6614 (1.4); 2.6540 (1.2); 2.6439 (0.8); 2.6323 (0.4); 2.5152 (11.5); 2.5081 (6.5); 2.3200 (16.0); 1.6668 (1.1); 1.2985 (1.1); 0.9426 (1.0); 0.9246 (3.3); 0.9197 (4.0); 0.9031 (4.3); 0.8975 (3.4); 0.8811 (1.3); 0.6604 (1.2); 0.6447 (3.4); 0.6375 (4.1); 0.6267 (3.3); 0.6097 (1.0); 0.1141 (0.4); 0.0543 (0.5); 0.0436 (15.3); 0.0327 (0.6)
I-090: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.5678 (9.0); 7.9182 (0.7); 7.9009 (1.1); 7.8848 (0.6); 7.6785 (6.4); 7.6618 (5.6); 7.5315 (2.6); 7.5088 (1.5); 7.4806 (5.5); 7.4635 (4.1); 7.4583 (3.5); 7.4476 (1.8); 7.4409 (1.6); 7.4310 (1.8); 7.2994 (29.5); 4.4860 (1.4); 4.4654 (1.5); 4.4375 (3.1); 4.4171 (3.0); 4.3891 (1.6); 4.3686 (1.5); 4.1728 (0.3); 4.1488 (0.4); 2.0841 (1.5); 1.5788 (16.0); 1.3222 (1.2); 1.3058 (3.1); 1.2987 (3.4); 1.2749 (0.7); 0.9429 (1.0); 0.9212 (3.2); 0.8979 (1.2); 0.0497 (1.0); 0.0390 (28.5); 0.0282 (1.3)
I-091: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.2543 (1.4); 9.2351 (1.5); 7.8131 (6.2); 7.7246 (0.6); 7.7048 (1.7); 7.6856 (1.5); 7.6587 (1.3); 7.6442 (2.8); 7.6369 (7.5); 7.6279 (9.2); 7.6065 (1.3); 7.5728 (1.4); 7.5517 (1.1); 5.2156 (0.8); 5.1977 (1.2); 5.1796 (0.8); 3.3806 (61.2); 2.8934 (1.1); 2.7350 (1.0); 2.6169 (16.0); 2.5172 (5.7); 2.5128 (12.3); 2.5083 (16.7); 2.5038 (12.2); 2.4994 (6.0); 1.4706 (6.2); 1.4530 (6.2)
I-092: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5933 (3.5); 7.5728 (3.8); 7.5697 (3.2); 7.5575 (0.3); 7.5521 (0.3); 7.4972 (1.7); 7.4363 (0.7); 7.4268 (1.4); 7.4192 (0.9); 7.4133 (0.6); 7.4005 (3.0); 7.3951 (3.3); 7.3898 (3.8); 7.3619 (0.5); 7.2986 (7.5); 6.6149 (0.4); 6.5947 (0.8); 6.5751 (0.4); 6.0797 (0.5); 6.0694 (0.5); 6.0560 (0.5); 6.0459 (0.5); 5.9241 (0.5); 5.9140 (0.5); 5.9005 (0.5); 5.8902 (0.5); 5.3367 (3.6); 4.2267 (0.3); 4.2164 (0.3); 4.2046 (0.3); 4.1943 (0.4); 4.1858 (0.8); 4.1622 (1.9); 4.1382 (1.9); 4.1259 (0.4); 4.1146 (1.1); 4.1039 (0.4); 4.0931 (0.5); 3.9309 (0.4); 3.9269 (0.4); 3.9074 (0.4); 3.8778 (0.6); 3.8583 (0.6); 3.8347 (0.4); 3.8288 (0.4); 2.4220 (16.0); 2.0777 (9.1); 2.0401 (0.4); 1.6210 (3.1); 1.3171 (2.1); 1.2932 (4.8); 1.2694 (2.1); 0.9947 (0.4); 0.9702 (0.8); 0.9458 (0.3); 0.1062 (0.4); 0.0356 (6.6)
I-093: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5525 (0.4); 7.5262 (1.4); 7.5047 (4.2); 7.4832 (0.4); 7.4133 (3.8); 7.3868 (2.2); 7.3668 (0.9); 7.3578 (1.4); 7.3505 (0.9); 7.3432 (0.6); 7.3365 (0.9); 7.2983 (12.0); 7.1082 (2.2); 7.0500 (1.2); 7.0224 (1.0); 6.6085 (0.6); 6.5880 (1.1); 6.5680 (0.6); 4.8218 (0.3); 4.7868 (16.0); 4.5734 (11.3);

TABLE 2-continued

4.2706 (0.9); 4.2497 (0.8); 4.2211 (1.8); 4.2001 (1.7); 4.1715 (0.9); 4.1506 (0.9); 2.5347 (6.3); 2.3648 (8.4); 2.0422 (0.7); 1.6009 (4.7); 0.1074 (0.9); 0.0482 (0.5); 0.0376 (11.7); 0.0267 (0.5)

I-094: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 9.1323 (0.4); 8.3939 (4.9); 7.6216 (0.4); 7.6175 (0.4); 7.6060 (3.6); 7.6025 (3.4); 7.5951 (1.5); 7.5905 (1.6); 7.5847 (1.8); 7.3479 (1.6); 7.2985 (6.0); 7.2863 (0.8); 7.2774 (0.9); 7.2655 (1.0); 7.2589 (0.9); 7.2478 (0.5); 7.0267 (1.7); 7.0012 (2.0); 6.9123 (1.9); 6.7390 (1.1); 6.7134 (0.9); 4.2143 (1.1); 4.1931 (2.0); 4.1750 (1.9); 4.1523 (1.1); 3.1164 (1.7); 3.0940 (2.8); 3.0719 (1.5); 2.7454 (1.0); 2.7349 (16.0); 2.3162 (10.9); 2.1973 (10.0); 1.5963 (1.4); 1.2950 (1.1); 0.0393 (6.1)

I-095: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 11.8389 (1.6); 7.9539 (0.6); 7.8445 (5.6); 7.7185 (0.7); 7.6988 (2.0); 7.6793 (2.9); 7.6581 (8.4); 7.6506 (8.5); 7.6344 (1.6); 7.6293 (1.6); 7.5596 (2.4); 7.5227 (1.4); 7.5030 (1.1); 5.0568 (6.6); 3.3361 (28.8); 2.8932 (3.7); 2.7347 (3.3); 2.5975 (16.0); 2.5755 (0.5); 2.5090 (24.6); 2.5046 (31.1); 2.5002 (22.7); 1.2412 (1.0); −0.0002 (1.0)

I-096: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.9961 (5.0); 7.9874 (5.1); 7.8491 (5.0); 7.8435 (5.1); 7.6422 (0.4); 7.6158 (3.1); 7.6105 (2.8); 7.6057 (2.8); 7.5979 (7.6); 7.5949 (7.2); 7.4827 (3.9); 7.4627 (1.7); 7.4506 (2.1); 7.4437 (1.7); 7.4324 (1.5); 7.4244 (0.9); 7.3350 (3.4); 7.3048 (16.9); 7.0486 (4.1); 6.9415 (2.2); 6.9143 (2.0); 6.8446 (1.0); 6.8247 (1.8); 6.8039 (1.0); 6.6312 (3.4); 6.6249 (4.5); 6.6164 (3.2); 4.1403 (1.8); 4.1198 (1.7); 4.0918 (3.8); 4.0711 (3.6); 4.0431 (1.9); 4.0225 (1.8); 2.4671 (11.7); 2.3471 (0.5); 2.2917 (16.0); 1.6327 (11.0); 1.3108 (2.2); 0.9483 (0.8); 0.9267 (2.2); 0.9034 (0.9); 0.1151 (0.7); 0.0553 (0.6); 0.0446 (14.4); 0.0338 (0.5)

I-097: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.0618 (2.2); 9.0441 (2.2); 8.1378 (10.9); 7.7311 (0.8); 7.7120 (2.7); 7.6925 (3.0); 7.6803 (3.7); 7.6581 (4.7); 7.6404 (0.6); 7.5721 (2.3); 7.5522 (1.8); 7.4422 (4.2); 7.3385 (2.0); 7.3345 (1.8); 7.3183 (2.6); 7.3145 (2.5); 7.2073 (3.6); 7.1872 (2.7); 4.6964 (0.7); 4.6835 (1.4); 4.6650 (1.5); 4.6518 (0.8); 3.3217 (17.8); 3.3087 (1.5); 3.2861 (1.7); 3.2682 (2.7); 3.2501 (1.4); 3.2281 (1.7); 3.2097 (1.5); 2.9322 (1.5); 2.9198 (1.5); 2.8910 (1.3); 2.8762 (2.3); 2.8620 (1.6); 2.8336 (1.3); 2.8211 (1.3); 2.6711 (0.5); 2.5060 (70.2); 2.5017 (90.4); 2.4974 (65.2); 2.3330 (0.4); 2.3285 (0.5); 1.3973 (16.0); −0.0002 (8.0)

I-098: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.2571 (1.3); 9.2379 (1.3); 7.8122 (6.2); 7.7250 (0.6); 7.7058 (1.7); 7.6859 (1.5); 7.6590 (1.3); 7.6446 (2.7); 7.6371 (7.3); 7.6280 (8.9); 7.6064 (1.2); 7.5729 (1.4); 7.5513 (1.0); 5.2151 (0.8); 5.1969 (1.3); 5.1789 (0.8); 3.3912 (80.6); 2.8944 (1.0); 2.7361 (0.9); 2.6170 (16.0); 2.5312 (0.3); 2.5180 (6.5); 2.5137 (13.5); 2.5092 (18.0); 2.5047 (13.0); 2.5004 (6.3); 1.4705 (6.3); 1.4529 (6.2)

I-099: ^{1}H-NMR(400.0 MHz, CD3CN):
δ = 8.2376 (7.4); 8.1332 (2.0); 8.0852 (16.0); 8.0124 (0.4); 7.7135 (1.3); 7.6937 (5.2); 7.6763 (14.2); 7.6611 (1.4); 7.6227 (2.4); 7.6026 (6.2); 7.5817 (10.2); 7.5616 (3.7); 7.5094 (7.4); 7.4747 (0.4); 7.4543 (4.4); 7.4372 (3.4); 4.3735 (3.8); 4.3577 (3.9); 4.3397 (8.0); 4.3239 (7.8); 4.3060 (4.1); 4.2902 (3.9); 2.3860 (0.6); 2.2210 (32.4); 2.1301 (7.2); 1.9512 (16.2); 1.9452 (28.6); 1.9391 (37.7); 1.9330 (26.6); 1.9269 (14.0); 1.2846 (0.4); 1.2684 (1.0); 0.1460 (0.4); −0.0002 (80.7); −0.1497 (0.4)

I-100: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.0114 (2.3); 7.6271 (0.6); 7.6161 (0.4); 7.5971 (1.8); 7.5852 (2.6); 7.5429 (0.3); 7.4915 (0.4); 7.4717 (2.1); 7.4501 (3.9); 7.4050 (3.8); 7.3838 (2.1); 7.3608 (1.1); 7.3453 (0.7); 7.3403 (0.7); 7.2784 (0.7); 7.2604 (25.4); 4.1834 (0.7); 4.1683 (0.7); 4.1477 (1.4); 4.1327 (1.4); 4.1120 (0.8); 4.0972 (0.8); 2.9550 (16.0); 2.8800 (14.9); 1.5752 (1.2); 1.5031 (0.6); −0.0002 (7.3)

I-101: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.1350 (5.2); 8.0915 (0.5); 8.0738 (0.8); 8.0544 (0.5); 7.6381 (0.7); 7.6119 (1.8); 7.5855 (1.3); 7.5176 (3.9); 7.4888 (4.9); 7.4202 (4.2); 7.3978 (2.4); 7.3929 (2.5); 7.3678 (1.1); 7.3649 (1.2); 7.3412 (0.9); 7.3381 (1.0); 7.3342 (0.8); 7.3042 (3.0); 6.9240 (1.1); 6.7363 (2.3); 6.5487 (1.2); 4.2744 (1.1); 4.2542 (1.1); 4.2273 (2.3); 4.2070 (2.2); 4.1802 (1.2); 4.1599 (1.1); 2.7630 (16.0); 1.6462 (0.5); 1.2986 (1.1); 0.0416 (2.9)

I-102: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.1299 (1.5); 9.1090 (1.5); 7.9529 (1.4); 7.9032 (6.4); 7.7318 (0.6); 7.7121 (1.6); 7.6930 (1.4); 7.6542 (1.8); 7.6335 (3.2); 7.5967 (1.3); 7.5746 (1.0); 7.2780 (1.9); 7.2534 (2.0); 6.9939 (3.0); 6.9777 (3.0); 5.2970 (0.4); 5.2785 (0.5); 5.2692 (0.5); 5.2600 (0.5); 5.2503 (0.5); 5.2320 (0.4); 3.3299 (38.6); 2.8928 (10.3); 2.7336 (8.9); 2.6292 (16.0); 2.5260 (0.6); 2.5212 (1.0); 2.5126 (13.9); 2.5082 (28.3); 2.5037 (37.1); 2.4991 (26.6); 2.4946 (12.8); 2.1696 (0.8); 2.1538 (0.9); 2.1363 (1.1); 2.1207 (1.0); 1.8413 (0.9); 1.8123 (1.1); 1.7797 (0.8); 1.3882 (10.6); 1.2957 (10.4); 1.2404 (0.8)

I-103: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.2346 (6.4); 8.1430 (0.9); 7.3331 (2.1); 7.3131 (2.4); 7.2602 (9.2); 7.1428 (2.0); 7.1230 (2.5); 7.0342 (2.5); 6.9938 (1.6); 6.9888 (1.7); 6.9741 (1.3); 6.9690 (1.5); 6.9590 (1.4); 6.9389 (1.3); 6.9150 (2.8); 6.9108 (2.4); 4.2337 (1.0); 4.2188 (1.0); 4.1976 (2.2); 4.1827 (2.2); 4.1614 (1.2); 4.1465 (1.1); 3.2133 (16.0); 2.9563 (2.3); 2.8838 (2.1); 2.4694 (7.1); 2.2947 (10.0); 1.5623 (6.1); −0.0002 (2.6)

I-104: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.2664 (0.3); 7.9976 (1.5); 7.5582 (1.5); 7.5385 (6.2); 7.5226 (16.0); 7.5051 (11.0); 7.4834 (14.0); 7.4552 (0.6); 7.4337 (0.8); 7.4056 (8.0); 7.3842 (13.4); 7.3628 (9.9); 7.3508 (3.4); 7.3441 (5.2); 7.3387 (3.6); 7.3336 (2.4); 7.3275 (3.6); 7.3222 (2.3); 7.2599 (117.9); 6.9960 (0.6); 6.3158 (2.0); 6.3002 (3.5); 6.2852 (1.9); 4.2229 (3.6); 4.2073 (3.6); 4.1863 (7.8); 4.1707 (7.4); 4.1497 (4.0); 4.1341 (3.7); 4.0036 (2.7); 2.9511 (11.2); 2.8722 (10.0); 1.9601 (1.1); 1.9454 (2.5); 1.9383 (2.5); 1.9308 (1.7); 1.9237 (4.9); 1.9167 (1.7); 1.9090 (2.7); 1.9020 (2.7); 1.8873 (1.3); 1.5433 (160.8); 1.5032 (0.6); 1.2722 (0.4); 1.2653 (0.4); 1.2596 (0.5); 1.2530 (0.6); 1.1783 (0.3); 1.1645 (2.2); 1.1504 (6.7); 1.1480 (7.6); 1.1446 (5.4); 1.1345 (3.9); 1.1291 (7.3); 1.1264 (7.1); 1.1133 (2.9); 1.0980 (0.5); 1.0922 (0.4); 1.0828 (0.5); 1.0765 (0.7); 1.0628 (0.4); 1.0560 (0.4); 0.9851 (0.4); 0.9695 (0.4); 0.9474 (3.0); 0.9324 (9.2); 0.9178 (8.6); 0.9040 (2.0); 0.7916 (0.4); 0.7794 (0.4); 0.0079 (1.6); −0.0002 (34.5); −0.0084 (1.8)

I-105: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.1263 (0.3); 7.7723 (0.4); 7.7604 (3.0); 7.6086 (0.6); 7.5835 (1.4); 7.5783 (1.8); 7.5736 (1.9); 7.4891 (0.8); 7.4370 (0.4); 7.4308 (0.6); 7.4238 (0.4); 7.4096 (0.6); 7.4055 (0.6); 7.3823 (1.2); 7.3768 (1.3); 7.3676 (1.7); 7.3400 (0.3); 7.2986 (5.6); 3.8095 (0.3); 3.2100 (16.0); 0.1065 (0.6); 0.0364 (4.4)

I-106: ^{1}H-NMR(300.2 MHz, CDCl3):

TABLE 2-continued

δ = 8.9558 (2.5); 8.9494 (2.6); 7.9244 (2.7); 7.9180 (2.6); 7.5996 (1.0); 7.5785 (3.2); 7.5157 (1.5); 7.4831 (0.7); 7.4741 (1.1); 7.4669 (0.7); 7.4603 (0.4); 7.4518 (0.6); 7.4451 (0.4); 7.2988 (14.9); 7.2761 (1.6); 7.0473 (1.6); 6.9634 (0.8); 6.9365 (0.7); 6.5245 (0.4); 6.5045 (0.7); 6.4841 (0.4); 5.3381 (0.3); 4.1064 (0.7); 4.0857 (0.7); 4.0570 (1.6); 4.0363 (1.5); 4.0075 (0.8); 3.9869 (0.8); 2.4480 (4.6); 2.4408 (2.6); 2.3000 (6.2); 2.2757 (0.3); 1.6109 (16.0); 0.0487 (0.5); 0.0378 (13.2); 0.0268 (0.5)

I-107: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.1235 (1.4); 9.1030 (1.4); 7.8225 (6.6); 7.7165 (0.5); 7.6963 (1.6); 7.6775 (1.3); 7.6363 (1.8); 7.6185 (3.5); 7.5731 (1.3); 7.5511 (1.1); 7.1053 (1.4); 7.0872 (1.5); 7.0324 (1.3); 7.0144 (1.5); 6.7283 (1.6); 6.7095 (2.7); 6.6908 (1.3); 5.2492 (0.4); 5.2339 (0.9); 5.2148 (0.9); 5.1994 (0.4); 4.2834 (0.9); 4.2748 (0.8); 4.2655 (1.2); 4.2541 (1.2); 4.2430 (0.8); 4.2346 (1.0); 4.2150 (0.3); 3.3329 (33.2); 2.6052 (16.0); 2.5250 (0.5); 2.5203 (0.7); 2.5116 (9.0); 2.5072 (18.5); 2.5027 (24.4); 2.4981 (17.7); 2.4937 (8.6); 2.1630 (0.4); 2.1600 (0.4); 2.1481 (0.5); 2.1397 (0.6); 2.1339 (0.5); 2.1279 (0.6); 2.1146 (0.7); 2.1029 (12.0); 2.0125 (0.4); 2.0034 (0.6); 1.9956 (0.7); 1.9864 (0.5); 1.9780 (0.6); 1.9693 (0.4); 1.9610 (0.4); 1.2406 (0.4)

I-108: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.1047 (1.5); 9.0894 (3.0); 9.0734 (1.4); 8.7025 (4.9); 8.6969 (4.8); 8.3163 (0.5); 8.0824 (16.0); 7.9229 (3.0); 7.9169 (3.0); 7.9018 (3.8); 7.8958 (3.7); 7.7473 (1.1); 7.7281 (3.6); 7.7100 (8.9); 7.6969 (4.8); 7.6903 (6.0); 7.6773 (1.6); 7.6163 (4.8); 7.5487 (2.7); 7.5291 (2.1); 4.2781 (1.5); 4.2625 (1.5); 4.2428 (3.4); 4.2270 (3.3); 4.2071 (1.7); 4.1915 (1.6); 3.9028 (0.8); 3.3274 (168.0); 2.6758 (1.3); 2.6713 (1.8); 2.6667 (1.3); 2.5415 (1.3); 2.5246 (7.2); 2.5112 (122.4); 2.5068 (235.1); 2.5023 (298.1); 2.4978 (213.9); 2.4934 (104.7); 2.3336 (1.3); 2.3291 (1.8); 2.3247 (1.3); 1.2357 (0.4); −0.0002 (1.3)

I-109: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.2829 (9.4); 7.6427 (0.9); 7.6167 (2.4); 7.5997 (1.9); 7.5736 (2.2); 7.5475 (0.8); 7.3016 (14.6); 7.2108 (0.8); 7.1949 (0.8); 7.1468 (2.5); 7.0389 (1.4); 7.0214 (2.7); 7.0132 (1.5); 6.9966 (2.7); 6.7785 (1.6); 6.7527 (1.4); 6.7064 (2.9); 3.6600 (0.5); 3.6468 (0.6); 3.6413 (0.6); 3.6353 (0.8); 3.6281 (0.7); 3.6201 (0.9); 3.6171 (0.9); 3.6097 (0.7); 3.6022 (0.8); 3.5963 (0.6); 3.5910 (0.6); 3.5777 (0.4); 2.4036 (0.5); 2.3752 (1.5); 2.3501 (1.5); 2.3336 (16.0); 2.0495 (0.5); 1.9991 (14.8); 1.5986 (7.0); 1.5716 (1.0); 1.5506 (1.4); 1.5418 (1.0); 1.5270 (1.2); 1.5208 (1.3); 1.5182 (1.2); 1.4972 (0.9); 1.2027 (0.9); 1.1897 (1.0); 1.1806 (1.4); 1.1674 (1.3); 1.1587 (0.9); 1.1457 (0.8); 0.0512 (0.5); 0.0403 (14.6); 0.0294 (0.5)

I-110: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.2787 (1.2); 9.2633 (2.7); 9.2476 (1.4); 7.8781 (6.6); 7.8031 (0.8); 7.7839 (2.4); 7.7632 (2.3); 7.7422 (3.6); 7.7228 (1.7); 7.6010 (7.8); 7.5846 (2.3); 7.3860 (4.2); 7.3829 (6.7); 7.3797 (4.2); 7.1959 (3.5); 7.1759 (4.1); 7.1641 (6.3); 7.0439 (4.4); 6.8587 (2.4); 6.8393 (2.2); 5.7502 (9.8); 4.0205 (1.2); 4.0043 (1.2); 3.9831 (2.6); 3.9675 (2.5); 3.9458 (1.4); 3.9302 (1.3); 3.3007 (32.3); 2.5043 (13.8); 2.4999 (18.8); 2.4955 (14.1); 2.3428 (11.6); 2.1972 (16.0); 2.1618 (0.4); 1.9872 (0.4); 1.2358 (0.5); 1.1748 (0.3); 0.0080 (0.4); −0.0002 (11.4)

I-111: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.1076 (0.4); 7.7211 (3.1); 7.5944 (0.7); 7.5694 (1.7); 7.4914 (1.1); 7.4624 (2.6); 7.4006 (2.3); 7.3732 (1.2); 7.2983 (1.2); 4.2537 (0.5); 4.2334 (0.5); 4.2069 (1.0); 4.1866 (1.0); 4.1600 (0.5); 4.1398 (0.5); 3.2051 (16.0); 3.0767 (0.5); 0.0339 (1.0)

I-112: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.0776 (0.7); 9.0620 (1.4); 9.0458 (0.7); 8.3097 (3.3); 7.8519 (0.3); 7.7379 (0.6); 7.7187 (1.8); 7.6990 (1.6); 7.6821 (0.4); 7.6693 (1.9); 7.6581 (6.4); 7.6502 (1.3); 7.5865 (2.4); 7.5447 (0.3); 7.5312 (1.4); 7.5152 (3.1); 7.4948 (2.5); 7.4304 (2.7); 7.1159 (1.3); 7.0957 (1.2); 4.2724 (0.6); 4.2577 (0.7); 4.2378 (1.4); 4.2221 (1.4); 4.2025 (0.7); 4.1871 (0.7); 3.9296 (1.2); 3.9240 (1.4); 3.9049 (1.3); 3.8970 (1.8); 3.4101 (1.4); 3.4011 (1.3); 3.3823 (2.4); 3.3744 (2.4); 3.3239 (957.9); 2.7594 (0.4); 2.7442 (0.6); 2.7326 (0.8); 2.7117 (1.0); 2.6899 (1.1); 2.6805 (1.6); 2.6760 (3.2); 2.6714 (4.4); 2.6668 (3.1); 2.6623 (1.5); 2.6279 (0.3); 2.5912 (2.3); 2.5799 (16.0); 2.5416 (166.2); 2.5248 (13.7); 2.5200 (20.7); 2.5114 (264.0); 2.5070 (519.0); 2.5024 (672.3); 2.4979 (482.6); 2.4934 (231.0); 2.3683 (0.6); 2.3384 (1.4); 2.3338 (3.1); 2.3293 (4.2); 2.3248 (3.0); 2.3203 (1.4); 2.2950 (1.1); 1.5955 (2.1); 1.5878 (2.2); 1.5732 (3.0); 1.5633 (2.0); 1.5455 (0.7); 1.5347 (0.8); 1.2601 (0.4); 1.2460 (0.5); 1.2352 (0.5); −0.0002 (6.2)

I-113: ^{1}H-NMR(400.0 MHz, CD3CN):
δ = 8.3305 (6.6); 8.3262 (7.3); 8.1733 (1.9); 8.1489 (7.7); 8.1445 (7.6); 8.0917 (16.0); 8.0076 (0.4); 7.7130 (1.2); 7.6933 (4.5); 7.6751 (12.4); 7.6578 (1.3); 7.5175 (6.2); 7.4795 (0.3); 7.4632 (2.3); 7.4579 (4.0); 7.4530 (2.5); 7.4403 (2.9); 5.4456 (0.4); 4.4402 (3.4); 4.4239 (3.5); 4.4072 (7.2); 4.3909 (7.1); 4.3742 (3.7); 4.3579 (3.6); 4.0854 (0.3); 4.0677 (1.0); 4.0498 (1.0); 4.0320 (0.3); 2.1297 (19.9); 2.1068 (0.3); 1.9713 (4.3); 1.9636 (1.5); 1.9575 (3.5); 1.9517 (18.3); 1.9455 (33.3); 1.9394 (44.8); 1.9332 (31.4); 1.9271 (16.6); 1.2676 (0.7); 1.2215 (1.1); 1.2037 (2.2); 1.1859 (1.1); 0.1457 (0.5); 0.0077 (4.3); −0.0002 (104.0); −0.0083 (5.3); −0.1499 (0.5)

I-114: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5875 (0.5); 7.5613 (3.0); 7.5536 (2.7); 7.5488 (3.0); 7.5426 (7.8); 7.5394 (7.6); 7.4580 (3.6); 7.4349 (0.6); 7.4282 (0.5); 7.4196 (1.6); 7.4084 (2.4); 7.3982 (4.6); 7.3894 (1.9); 7.3806 (1.2); 7.3715 (4.1); 7.2986 (12.4); 7.0848 (4.0); 7.0045 (2.2); 6.9782 (1.9); 6.5072 (1.0); 6.4873 (1.9); 6.4672 (1.0); 4.2891 (1.8); 4.2687 (1.8); 4.2394 (3.9); 4.2190 (3.7); 4.1897 (2.0); 4.1693 (1.9); 2.5186 (12.0); 2.5119 (6.9); 2.3567 (0.4); 2.3218 (16.0); 2.0392 (1.0); 1.9886 (0.6); 1.9689 (1.2); 1.9595 (1.2); 1.9495 (0.8); 1.9401 (2.5); 1.9308 (0.8); 1.9204 (1.3); 1.9111 (1.4); 1.8916 (0.7); 1.6081 (12.4); 1.4517 (0.6); 1.4307 (0.6); 1.2927 (5.1); 1.2177 (0.3); 1.1934 (1.2); 1.1766 (3.2); 1.1705 (3.9); 1.1658 (2.9); 1.1532 (2.0); 1.1469 (3.4); 1.1421 (3.4); 1.1249 (1.6); 1.1044 (0.4); 0.9935 (1.7); 0.9739 (4.4); 0.9545 (4.2); 0.9355 (1.2); 0.9179 (0.5); 0.9091 (0.4); 0.8942 (0.5); 0.8676 (0.3); 0.0483 (0.4); 0.0376 (11.4); 0.0266 (0.5)

I-115: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5944 (0.4); 7.5656 (4.4); 7.5605 (3.3); 7.5483 (7.4); 7.4517 (3.8); 7.4247 (0.6); 7.4110 (1.7); 7.3908 (5.2); 7.3818 (1.8); 7.3641 (4.3); 7.2986 (8.7); 7.1072 (4.2); 7.0352 (2.3); 7.0087 (1.9); 6.8275 (1.0); 6.8070 (1.9); 6.7866 (1.0); 5.3988 (0.6); 5.3819 (1.7); 5.3627 (2.9); 5.3459 (2.0); 5.3270 (0.7); 4.8806 (1.6); 4.8531 (6.9); 4.8361 (9.2); 4.8224 (6.7); 4.8120 (1.9); 4.7955 (1.1); 4.2476 (1.6); 4.2269 (1.6); 4.1983 (3.4); 4.1776 (3.4); 4.1539 (1.2); 4.1489 (1.8); 4.1290 (1.8); 2.9674 (0.4); 2.8545 (0.3); 2.5190 (11.8); 2.5125 (7.1); 2.3724 (0.8); 2.3460 (16.0); 2.3052 (0.3); 2.0727 (2.5); 1.3150 (0.9); 1.2916 (2.8); 1.2674 (0.9); 0.3055 (0.4); 0.1938 (0.5); 0.1760 (1.1); 0.1223 (4.6); 0.1104 (100.1);

TABLE 2-continued

0.0982 (4.9); 0.0385 (7.4); 0.0276 (0.4); −0.0876 (0.4)
I-116: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.0741 (1.4); 9.0547 (1.4); 7.7418 (0.6); 7.7204 (7.1); 7.7025 (1.5); 7.6826 (1.8); 7.6628 (0.8); 7.6192 (2.1); 7.5188 (1.1); 7.4988 (0.9); 7.2622 (3.4); 7.2412 (4.2); 7.0720 (0.5); 7.0656 (4.6); 7.0610 (1.5); 7.0446 (3.8); 5.7574 (0.3); 4.7742 (0.5); 4.7624 (0.6); 4.7545 (0.6); 4.7498 (0.7); 4.7431 (0.7); 4.7382 (0.6); 4.7302 (0.6); 4.7185 (0.5); 3.6840 (16.0); 3.3323 (111.8); 3.3055 (0.3); 3.1983 (0.7); 3.1865 (0.7); 3.1635 (1.0); 3.1519 (0.9); 3.0322 (1.0); 3.0075 (1.0); 2.9975 (0.8); 2.9730 (0.7); 2.6710 (0.3); 2.5969 (14.7); 2.5245 (0.9); 2.5111 (20.8); 2.5067 (42.9); 2.5022 (56.8); 2.4977 (41.3); 2.4932 (20.3); 2.3289 (0.3); −0.0002 (0.4)
I-117: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.0548 (1.5); 9.0345 (1.5); 7.7689 (5.9); 7.7295 (0.7); 7.7096 (1.9); 7.6904 (1.5); 7.6566 (4.3); 7.6359 (1.1); 7.5817 (1.5); 7.5621 (1.1); 7.0772 (1.4); 7.0550 (3.9); 6.9489 (2.3); 6.9297 (1.7); 5.0681 (0.8); 5.0496 (1.2); 5.0313 (0.8); 3.3537 (40.0); 3.3502 (40.8); 2.8903 (2.0); 2.7316 (1.8); 2.6495 (1.3); 2.6362 (2.6); 2.6209 (1.5); 2.6009 (16.0); 2.5735 (0.4); 2.5462 (0.6); 2.5259 (1.6); 2.5118 (9.8); 2.5077 (19.0); 2.5032 (25.0); 2.4988 (18.5); 2.4945 (9.5); 2.4686 (0.3); 1.6631 (3.4); 1.6558 (2.9); 1.6483 (3.4); 1.6188 (0.5); 1.4062 (6.2); 1.3887 (6.2); 1.2402 (0.4)
I-118: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.2244 (1.5); 9.2035 (1.5); 7.9224 (0.4); 7.8490 (6.6); 7.7213 (0.6); 7.7010 (1.7); 7.6805 (1.4); 7.6548 (0.4); 7.6413 (2.0); 7.6256 (3.2); 7.6235 (3.2); 7.5871 (1.4); 7.5649 (1.1); 7.1938 (1.1); 7.1868 (1.2); 7.1667 (2.0); 7.1627 (1.4); 7.1524 (1.4); 7.1445 (1.8); 7.1306 (1.7); 7.0451 (0.9); 7.0380 (0.8); 7.0241 (1.4); 7.0170 (1.2); 7.0026 (0.6); 6.9955 (0.6); 5.2416 (0.4); 5.2220 (0.8); 5.2103 (0.8); 5.2028 (0.6); 5.1908 (0.4); 3.3376 (58.8); 3.1596 (0.3); 3.1497 (0.4); 3.1376 (0.9); 3.1277 (0.8); 3.1179 (0.8); 3.1074 (0.7); 3.0969 (0.7); 3.0869 (0.8); 3.0768 (0.8); 3.0670 (0.9); 3.0552 (0.4); 3.0448 (0.3); 2.6323 (1.2); 2.6140 (16.0); 2.5257 (0.6); 2.5210 (0.8); 2.5121 (10.9); 2.5078 (22.2); 2.5033 (29.4); 2.4988 (21.5); 2.4944 (10.6); 2.2080 (0.6); 2.1971 (0.8); 2.1872 (0.8); 2.1774 (1.0); 2.1672 (0.8); 2.1576 (0.8); 2.1477 (0.8); 2.1383 (0.4); 2.1285 (0.5); 1.2398 (0.4)
I-119: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 7.5359 (0.3); 7.5190 (3.0); 7.5092 (4.4); 7.4104 (2.4); 7.3383 (0.8); 7.3302 (1.2); 7.3271 (1.1); 7.3209 (0.9); 7.2579 (2.9); 7.0067 (1.9); 6.9915 (2.5); 6.9464 (2.9); 6.8477 (1.6); 6.8324 (1.3); 6.3986 (1.0); 4.1142 (0.9); 4.0484 (16.0); 3.7468 (1.1); 3.7335 (2.9); 3.7207 (3.0); 3.7073 (1.1); 2.9127 (2.0); 2.8988 (3.9); 2.8851 (1.9); 2.3115 (0.9); 2.2892 (0.9); 2.2844 (0.8); 2.2715 (12.9); 2.2470 (12.0); 2.1884 (0.4); 1.5738 (1.9); 1.2559 (0.9); −0.0002 (2.5)
I-120: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5382 (3.3); 7.5340 (2.3); 7.5245 (4.9); 7.5211 (5.8); 7.4283 (3.5); 7.4154 (1.5); 7.4065 (1.1); 7.4009 (1.9); 7.3943 (1.3); 7.3851 (1.0); 7.3769 (0.7); 7.3240 (4.0); 7.2985 (12.6); 7.1766 (4.8); 7.1503 (3.4); 6.4488 (1.3); 6.4220 (1.4); 5.4046 (1.1); 5.3802 (1.4); 5.3555 (1.1); 2.3627 (16.0); 2.3218 (0.4); 1.9456 (0.4); 1.9259 (1.0); 1.9167 (1.0); 1.9065 (0.7); 1.8970 (1.9); 1.8886 (0.6); 1.8775 (1.1); 1.8682 (1.1); 1.8486 (0.6); 1.6565 (9.7); 1.6334 (10.5); 1.6237 (4.3); 1.5908 (0.5); 1.1428 (0.7); 1.1366 (0.7); 1.1200 (0.8); 1.1140 (1.1); 1.1072 (1.5); 1.1018 (1.0); 1.0909 (0.8); 1.0868 (0.7); 1.0779 (1.0); 1.0724 (0.9); 1.0654 (1.0); 1.0559 (1.0); 1.0520 (0.9); 1.0409 (1.0); 1.0371 (1.0); 1.0271 (1.2); 1.0235 (1.5); 1.0123 (0.8); 0.9960 (0.6); 0.9875 (0.5); 0.9824 (0.7); 0.9732 (0.5); 0.9602 (0.8); 0.9527 (1.6); 0.9421 (3.7); 0.9330 (2.4); 0.9226 (3.6); 0.9162 (1.6); 0.9124 (1.2); 0.9079 (1.0); 0.0375 (6.6)
I-121: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.3205 (1.3); 9.3049 (2.7); 9.2892 (1.3); 8.3005 (1.8); 8.2811 (3.7); 8.2612 (2.2); 8.0755 (14.7); 7.9528 (2.4); 7.8805 (5.0); 7.8618 (4.6); 7.8157 (0.7); 7.8071 (0.6); 7.7866 (0.5); 7.7368 (4.6); 7.7321 (4.8); 7.6975 (0.6); 7.6790 (0.5); 7.6658 (0.9); 7.6557 (0.4); 7.5822 (4.4); 7.5704 (4.6); 7.5615 (4.4); 7.5490 (5.3); 7.5354 (0.4); 7.5140 (1.0); 7.5001 (0.6); 7.4956 (0.5); 7.3016 (2.7); 7.2966 (2.8); 7.2805 (2.4); 7.2754 (2.4); 5.0320 (0.4); 4.2118 (1.3); 4.1958 (1.4); 4.1770 (3.0); 4.1612 (2.9); 4.1419 (1.5); 4.1263 (1.4); 3.3014 (32.4); 2.8907 (16.0); 2.7315 (14.0); 2.5094 (7.5); 2.5053 (15.4); 2.5008 (21.1); 2.4964 (15.4); 0.0079 (0.4); −0.0002 (9.7); −0.0083 (0.4)
I-122: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.1030 (1.8); 9.0875 (3.8); 9.0719 (1.8); 7.9609 (2.6); 7.8644 (7.1); 7.6340 (2.1); 7.6142 (5.0); 7.5945 (3.3); 7.5549 (15.0); 7.4960 (8.0); 7.4750 (11.5); 7.4441 (5.1); 7.4402 (5.0); 7.4231 (2.4); 7.4190 (2.5); 7.3829 (6.0); 7.3434 (3.4); 7.3232 (2.9); 7.2296 (2.8); 7.0903 (6.1); 6.9511 (3.0); 4.2765 (1.7); 4.2609 (1.9); 4.2420 (3.8); 4.2265 (3.7); 4.2076 (2.0); 4.1919 (1.8); 3.3117 (31.6); 2.8985 (16.0); 2.7397 (14.5); 2.5129 (14.0); 2.5087 (18.6); 2.5045 (14.0); 2.3118 (0.7); 2.2996 (1.6); 2.2909 (1.8); 2.2789 (3.2); 2.2669 (2.0); 2.2585 (1.7); 2.2463 (0.9); 1.0960 (1.4); 1.0846 (4.0); 1.0781 (5.8); 1.0693 (3.7); 1.0640 (4.1); 1.0577 (5.2); 1.0493 (2.4); 1.0332 (0.8); 1.0202 (0.6); 1.0134 (0.6); 0.9965 (2.4); 0.9879 (5.8); 0.9824 (5.7); 0.9763 (6.3); 0.9701 (5.2); 0.9584 (1.6)
I-123: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ =9.0619 (1.9); 7.9539 (0.8); 7.8006 (4.9); 7.7519 (2.8); 7.7475 (1.5); 7.7306 (4.6); 7.7071 (1.0); 7.6621 (3.1); 7.6458 (4.6); 7.6288 (1.0); 7.6244 (2.7); 7.5991 (1.0); 7.5810 (0.7); 3.3721 (23.4); 3.3642 (38.9); 2.8927 (5.7); 2.7340 (4.8); 2.6448 (0.6); 2.6194 (12.1); 2.5149 (5.8); 2.5105 (12.3); 2.5060 (16.6); 2.5014 (11.9); 2.4970 (5.8); 1.6319 (16.0); 1.2996 (0.4)
I-124: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5861 (3.7); 7.5823 (3.8); 7.5786 (2.9); 7.5712 (2.4); 7.5455 (3.5); 7.5196 (2.1); 7.5000 (0.6); 7.4949 (0.6); 7.4016 (8.2); 7.3980 (7.9); 7.3626 (1.4); 7.3352 (1.9); 7.3060 (3.7); 7.2985 (11.5); 7.2934 (4.4); 7.2012 (0.4); 7.1953 (0.5); 7.1854 (0.5); 6.4393 (1.3); 6.0962 (0.8); 6.0857 (0.9); 6.0803 (0.6); 6.0737 (0.9); 6.0631 (0.7); 5.9413 (0.8); 5.9306 (0.8); 5.9247 (0.6); 5.9187 (0.9); 5.9079 (0.7); 4.2770 (0.4); 4.2660 (0.4); 4.2557 (0.4); 4.2447 (0.4); 4.2283 (0.5); 4.2176 (0.5); 4.2067 (0.6); 4.1957 (0.7); 4.1913 (0.8); 4.1791 (0.6); 4.1683 (1.3); 4.1629 (0.7); 4.1443 (1.3); 4.1308 (0.6); 4.1204 (0.8); 4.0035 (0.4); 3.9838 (0.6); 3.9612 (0.5); 3.9548 (0.5); 3.9292 (0.7); 3.9090 (0.8); 3.8862 (0.6); 3.8800 (0.6); 3.8606 (0.7); 3.8422 (0.5); 3.1032 (0.5); 2.6412 (15.4); 2.6363 (7.6); 2.6255 (2.5); 2.3421 (16.0); 2.3374 (7.4); 2.0801 (4.4); 2.0750 (1.8); 1.8674 (0.7); 1.3192 (1.2); 1.3140 (0.6); 1.2954 (2.6); 1.2904 (1.2); 1.2716 (1.2); 1.2666 (0.5); 0.0372 (12.3); 0.0321 (4.7)
I-125: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.3180 (14.0); 7.8980 (1.3); 7.5322 (1.6); 7.5226 (2.3); 7.5135 (1.7); 7.5038 (2.3); 7.4957 (1.1); 7.4823 (1.2); 7.4655 (1.6); 7.4531 (2.0); 7.4421 (1.2); 7.4065 (2.4); 7.3775 (6.3); 7.3516 (4.4); 7.3016 (22.6); 7.0918 (3.9); 7.0171 (2.2); 6.9906 (1.8); 5.3412 (1.8); 4.3071 (2.1); 4.2873 (2.0); 4.2586 (4.4); 4.2389 (4.2); 4.2101 (2.2); 4.1903 (2.1); 2.5221 (6.5); 2.5151 (11.8); 2.5077 (6.5); 2.3704 (0.5);

TABLE 2-continued

2.3394 (16.0); 1.5946 (9.9); 0.0512 (0.6); 0.0404 (18.1); 0.0295 (0.6)
I-126: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 7.9872 (1.1); 7.5531 (0.5); 7.5336 (2.2); 7.5177 (5.7); 7.4086 (2.9); 7.3646 (1.1); 7.3582 (1.9); 7.3528 (1.4); 7.3420 (1.3); 7.2596 (14.4); 7.0336 (2.4); 7.0145 (2.9); 6.9679 (3.2); 6.8670 (1.8); 6.8483 (1.4); 6.0100 (0.7); 5.9964 (1.3); 5.9819 (0.7); 3.7789 (1.4); 3.7618 (3.6); 3.7466 (3.6); 3.7296 (1.4); 2.9550 (2.9); 2.9480 (8.3); 2.9382 (4.9); 2.9209 (2.2); 2.8691 (6.9); 2.2999 (16.0); 2.2807 (1.3); 2.2542 (14.8); 2.1940 (0.5); 2.1584 (0.6); 1.9213 (0.4); 1.9068 (0.9); 1.8998 (0.9); 1.8922 (0.6); 1.8851 (1.8); 1.8782 (0.7); 1.8704 (1.0); 1.8634 (1.0); 1.8488 (0.5); 1.5549 (21.2); 1.1427 (0.8); 1.1262 (2.8); 1.1132 (1.5); 1.1078 (2.6); 1.1047 (2.5); 1.0919 (1.0); 0.9504 (1.1); 0.9353 (3.4); 0.9210 (3.1); 0.9071 (0.7); −0.0002 (4.2)
I-127: ^{1}H-NMR(499.9 MHz, d_6-DMSO):
δ = 13.2756 (0.4); 9.2965 (1.2); 9.2840 (2.5); 9.2715 (1.2); 8.2917 (1.7); 8.2759 (3.2); 8.2600 (1.9); 8.1212 (9.9); 8.1025 (0.4); 8.0865 (0.7); 8.0706 (0.4); 7.9536 (2.6); 7.8855 (1.0); 7.8734 (4.2); 7.8587 (4.1); 7.6947 (0.8); 7.6796 (0.8); 7.6482 (1.0); 7.6301 (0.4); 7.5995 (0.4); 7.5807 (3.7); 7.5640 (3.6); 7.5543 (5.2); 7.5373 (6.8); 7.5166 (7.2); 7.4394 (6.4); 7.4224 (4.9); 4.9358 (0.3); 4.9081 (0.7); 4.8801 (0.4); 4.0594 (1.2); 4.0468 (1.2); 4.0313 (2.6); 4.0188 (2.5); 4.0032 (1.3); 3.9907 (1.2); 3.3247 (25.0); 2.8909 (16.0); 2.7316 (14.3); 2.5055 (14.6); 2.5023 (18.7); 2.4990 (13.7); −0.0002 (5.8)
I-128: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.9035 (1.9); 8.8135 (1.8); 8.8051 (1.8); 8.1862 (5.2); 7.9331 (1.3); 7.9267 (1.9); 7.9202 (1.2); 7.8980 (0.5); 7.8803 (0.7); 7.8609 (0.4); 7.4736 (1.8); 7.4453 (4.5); 7.4400 (2.0); 7.3141 (1.7); 7.3071 (1.7); 7.2994 (6.7); 7.2862 (1.2); 7.2795 (1.1); 6.1404 (0.5); 6.1301 (0.5); 6.1153 (0.5); 6.1050 (0.5); 5.9844 (0.5); 5.9739 (0.5); 5.9592 (0.5); 5.9489 (0.5); 5.3367 (0.5); 4.3320 (0.4); 4.3215 (0.4); 4.3091 (0.3); 4.2985 (0.4); 4.2370 (0.4); 4.2265 (0.4); 4.2140 (0.4); 4.2035 (0.3); 3.8773 (0.4); 3.8607 (0.4); 3.8520 (0.4); 3.8354 (0.4); 3.8286 (0.4); 3.8110 (0.6); 3.8033 (0.4); 3.7938 (0.4); 3.7861 (0.6); 3.7686 (0.4); 3.7617 (0.3); 2.7864 (16.0); 2.7755 (0.8); 2.7415 (0.5); 2.0813 (0.6); 1.6346 (2.4); 1.2948 (0.4); 1.2897 (0.4); 0.0349 (5.7)
I-129: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.0912 (1.1); 9.0711 (1.1); 7.9526 (0.5); 7.7893 (4.8); 7.7245 (0.5); 7.7043 (1.5); 7.6839 (1.3); 7.6470 (1.8); 7.6345 (2.4); 7.6314 (2.6); 7.5706 (1.2); 7.5497 (0.9); 7.2544 (1.1); 7.2495 (1.3); 7.2226 (1.1); 7.2176 (1.3); 7.1619 (0.8); 7.1401 (1.3); 7.1365 (1.3); 7.0812 (1.4); 7.0594 (2.1); 7.0378 (0.9); 5.1043 (0.7); 5.0859 (1.1); 5.0676 (0.7); 3.7899 (16.0); 3.4045 (20.1); 3.3939 (20.2); 3.3792 (59.0); 2.8919 (3.3); 2.7334 (2.9); 2.6069 (13.8); 2.5154 (5.6); 2.5110 (11.8); 2.5065 (16.0); 2.5020 (11.6); 2.4975 (5.6); 1.4194 (5.3); 1.4020 (5.3)
I-130: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.7715 (4.4); 7.6348 (5.9); 7.6004 (2.8); 7.5950 (2.7); 7.5904 (2.7); 7.5829 (6.1); 7.5800 (5.8); 7.4578 (3.8); 7.4434 (1.6); 7.4313 (1.8); 7.4243 (1.4); 7.4133 (1.3); 7.4053 (0.8); 7.3365 (2.8); 7.3098 (3.6); 7.2983 (13.5); 7.0445 (3.4); 6.9311 (1.9); 6.9043 (1.6); 6.8034 (0.9); 6.7840 (1.6); 6.7643 (0.9); 4.1545 (1.4); 4.1339 (1.4); 4.1060 (3.0); 4.0854 (2.9); 4.0574 (1.5); 4.0370 (1.4); 2.4706 (9.7); 2.3412 (0.4); 2.2863 (12.9); 2.2133 (16.0); 2.0431 (0.3); 1.6032 (5.4); 0.1086 (0.5); 0.0387 (16.1)
I-131: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 7.5676 (1.5); 7.5480 (6.4); 7.5325 (16.0); 7.5184 (1.8); 7.4845 (9.9); 7.4632 (14.5); 7.4260 (8.2); 7.3827 (14.7); 7.3610 (12.3); 7.3500 (3.9); 7.2596 (51.8); 6.6843 (4.6); 6.6549 (5.1); 6.6400 (5.4); 6.6105 (5.6); 6.2940 (2.1); 6.2790 (3.7); 6.2647 (2.0); 6.0283 (10.3); 5.9840 (9.0); 5.7952 (10.2); 5.7657 (9.5); 4.1719 (3.7); 4.1562 (3.7); 4.1360 (7.7); 4.1202 (7.3); 4.0999 (3.9); 4.0842 (3.7); 1.5402 (40.9); 1.3050 (0.7); 1.2654 (3.1); 0.8987 (1.5); 0.8821 (3.7); 0.8645 (1.6); −0.0002 (49.7)
I-132: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.2424 (16.0); 8.0141 (1.9); 7.5978 (1.7); 7.5782 (5.1); 7.5664 (3.8); 7.5469 (4.3); 7.5273 (1.5); 7.2597 (29.6); 7.1837 (6.3); 7.1036 (8.2); 7.0835 (4.2); 7.0699 (3.0); 7.0504 (2.8); 6.9828 (3.4); 6.9632 (6.5); 6.9438 (3.4); 6.8488 (3.4); 6.8291 (2.5); 3.4883 (0.8); 3.4767 (1.4); 3.4688 (1.6); 3.4576 (2.7); 3.4462 (1.7); 3.4385 (1.6); 3.4270 (0.9); 2.9530 (14.7); 2.8805 (13.3); 2.5035 (1.1); 2.4834 (2.6); 2.4639 (2.6); 2.4439 (1.2); 1.5522 (14.9); 1.5296 (3.1); 1.5249 (2.2); 1.5123 (2.2); 1.5075 (2.9); 1.4900 (1.7); 1.1968 (1.7); 1.1859 (1.9); 1.1799 (3.1); 1.1692 (3.1); 1.1633 (1.8); 1.1524 (1.5); 0.0080 (0.4); −0.0002 (12.4)
I-133: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.6229 (2.6); 7.6055 (3.6); 7.4812 (1.8); 7.4480 (0.8); 7.4393 (0.8); 7.4331 (1.1); 7.4265 (0.9); 7.4178 (0.7); 7.4096 (0.5); 7.3724 (1.7); 7.3458 (2.0); 7.2988 (2.5); 7.0966 (2.0); 7.0065 (1.1); 6.9803 (1.0); 6.6986 (0.5); 6.6781 (1.0); 6.6578 (0.5); 4.2905 (0.9); 4.2696 (0.8); 4.2421 (1.8); 4.2211 (1.7); 4.1936 (0.9); 4.1726 (0.9); 2.5240 (6.4); 2.5109 (16.0); 2.3332 (7.7); 1.6479 (2.6); 1.3044 (0.3); 1.2936 (0.4); 0.0378 (1.8)
I-134: ^{1}H-NMR(300.2 MHz, CDCl3):
δ =7.5512 (0.8); 7.5291 (1.5); 7.5140 (1.8); 7.4909 (1.0); 7.3943 (2.0); 7.3678 (2.4); 7.3373 (1.1); 7.3097 (1.6); 7.2986 (4.3); 7.2833 (0.7); 7.0769 (2.6); 6.9867 (1.3); 6.9603 (1.2); 6.4945 (0.6); 6.4739 (1.0); 6.4535 (0.6); 4.2947 (1.1); 4.2737 (1.0); 4.2463 (2.3); 4.2253 (2.2); 4.1979 (1.2); 4.1867 (0.3); 4.1769 (1.1); 4.1631 (0.4); 4.1393 (0.4); 2.6180 (16.0); 2.5314 (7.2); 2.4366 (0.4); 2.4294 (0.3); 2.3531 (0.9); 2.3139 (9.8); 2.2875 (16.0); 2.2034 (0.3); 2.0759 (1.7); 1.3168 (0.4); 1.2931 (1.0); 1.2692 (0.4); 0.0377 (3.7)
I-135: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.3301 (9.1); 8.0361 (1.4); 7.4849 (1.6); 7.4581 (4.2); 7.4312 (3.4); 7.3810 (6.0); 7.3545 (5.3); 7.3308 (0.5); 7.2985 (16.4); 7.2762 (2.9); 7.2693 (4.7); 7.2627 (2.9); 7.1867 (2.4); 7.1827 (2.2); 7.1632 (1.9); 7.1599 (2.0); 7.1559 (1.9); 7.1146 (0.4); 7.0799 (4.2); 7.0019 (2.2); 6.9750 (1.9); 5.1589 (3.3); 5.1385 (4.9); 5.1308 (4.2); 5.1104 (5.2); 5.0412 (4.8); 5.0197 (7.5); 4.9986 (3.8); 4.7039 (0.7); 4.6813 (1.4); 4.6763 (1.3); 4.6534 (2.1); 4.6308 (1.1); 4.6257 (1.0); 4.6030 (0.4); 4.3135 (1.7); 4.2938 (1.7); 4.2655 (3.6); 4.2457 (3.5); 4.2174 (1.9); 4.1975 (1.9); 3.4198 (0.4); 3.3835 (0.6); 3.2934 (0.5); 2.5181 (11.4); 2.4414 (0.4); 2.3346 (16.0); 2.0428 (4.7); 1.6386 (0.7); 1.4971 (0.3); 1.4510 (0.6); 1.2937 (6.8); 1.1453 (1.3); 0.9587 (0.4); 0.9179 (1.0); 0.8937 (1.1); 0.8708 (0.7); 0.2087 (0.8); 0.1891 (1.3); 0.1084 (0.4); 0.0483 (0.6); 0.0376 (14.9)
I-136: ^{1}H-NMR(499.9 MHz, CDCl3):
δ =7.5149 (1.0); 7.5010 (2.5); 7.4218 (1.3); 7.3785 (0.6); 7.3741 (0.9); 7.3698 (0.6); 7.3605 (0.7); 7.3561 (0.5); 7.3489 (1.2); 7.3329 (1.2); 7.2593 (2.2); 7.0358 (1.4); 6.9730 (0.8); 6.9572 (0.7); 6.8458 (0.4); 6.8338 (0.7); 6.8218 (0.4); 4.2642 (5.2); 4.1917 (0.5); 4.1792 (0.5); 4.1614 (1.1); 4.1490 (1.0);

TABLE 2-continued

4.1313 (0.6); 4.1188 (0.5); 3.2589 (9.2); 2.4699 (4.0); 2.2687 (5.4); 1.3010 (16.0); 1.2654 (0.7); 0.8819 (0.6); −0.0002 (2.8)
I-137: ^{1}H-NMR(300.2 MHz, CDCl3):
δ =8.0105 (3.9); 8.0019 (3.9); 7.6562 (0.5); 7.6296 (3.3); 7.6231 (3.1); 7.6183 (3.3); 7.6116 (7.4); 7.6084 (7.7); 7.5237 (3.7); 7.5023 (0.6); 7.4872 (1.7); 7.4759 (2.2); 7.4692 (2.0); 7.4573 (1.5); 7.4496 (1.0); 7.3374 (3.5); 7.3105 (4.4); 7.2984 (18.7); 7.0590 (4.1); 6.9789 (2.3); 6.9462 (3.4); 6.8332 (4.0); 6.8245 (3.8); 6.7633 (4.5); 6.6170 (1.1); 6.5976 (1.9); 6.5809 (3.1); 4.1196 (1.9); 4.0989 (1.8); 4.0697 (3.9); 4.0491 (3.7); 4.0198 (2.0); 3.9993 (1.9); 2.4574 (11.9); 2.3511 (0.5); 2.3063 (16.0); 2.0429 (0.5); 1.5965 (7.4); 0.1089 (0.8); 0.0494 (1.4); 0.0389 (22.5); 0.0280 (1.2)
I-138: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.1750 (1.7); 9.1554 (1.7); 8.1047 (7.8); 7.3679 (1.3); 7.3485 (2.8); 7.3292 (1.7); 7.2073 (3.4); 7.1831 (4.6); 7.1711 (5.0); 7.1135 (2.1); 7.0944 (1.8); 7.0707 (4.3); 7.0483 (1.8); 7.0260 (1.8); 7.0165 (1.0); 5.0919 (1.1); 5.0736 (1.6); 5.0555 (1.1); 3.9021 (0.8); 3.3264 (71.8); 2.6707 (0.8); 2.5407 (0.9); 2.5057 (109.0); 2.5018 (131.7); 2.3387 (15.5); 2.1847 (16.0); 1.4319 (7.6); 1.4145 (7.5); −0.0002 (0.4)
I-139: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 7.5648 (1.4); 7.5448 (6.8); 7.5291 (16.0); 7.4676 (10.8); 7.4630 (10.6); 7.4282 (8.3); 7.3650 (0.8); 7.3535 (3.0); 7.3468 (4.6); 7.3411 (3.9); 7.3312 (3.6); 7.2616 (8.9); 7.1971 (4.3); 7.1926 (4.1); 7.1767 (6.6); 7.1722 (6.4); 7.1076 (10.5); 7.0871 (6.6); 6.6454 (2.8); 6.6159 (3.1); 6.6012 (3.2); 6.5717 (3.3); 6.3179 (2.6); 6.0577 (0.4); 6.0301 (9.0); 5.9858 (7.6); 5.8198 (0.4); 5.7901 (0.6); 5.7769 (8.2); 5.7474 (7.5); 3.7356 (3.4); 3.7190 (9.3); 3.7028 (9.3); 3.6864 (3.4); 3.0067 (6.8); 2.9896 (13.1); 2.9725 (6.0); 2.0260 (0.8); 1.5927 (5.6); 1.2679 (0.6); 1.2560 (0.7); 1.2507 (0.7); 0.8811 (0.3); −0.0002 (8.0); −0.0082 (0.4)
I-140: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 7.5652 (0.5); 7.5452 (5.4); 7.5323 (7.1); 7.4424 (3.9); 7.4085 (0.6); 7.3988 (1.6); 7.3923 (1.7); 7.3879 (2.2); 7.3831 (2.0); 7.3764 (1.5); 7.3703 (1.1); 7.3481 (3.4); 7.3281 (3.7); 7.2583 (6.3); 7.0441 (4.3); 6.9548 (2.3); 6.9352 (2.1); 6.4342 (1.0); 6.4194 (1.8); 6.4047 (1.0); 4.2375 (1.7); 4.2220 (1.8); 4.2014 (3.6); 4.1859 (3.4); 4.1652 (1.8); 4.1498 (1.7); 2.4783 (12.0); 2.3178 (0.5); 2.2737 (16.0); 1.5702 (1.0); 1.2559 (0.4); −0.0002 (5.1)
I-141: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.2171 (0.7); 9.2028 (1.5); 9.1881 (0.8); 8.2950 (1.1); 8.2753 (2.0); 8.2555 (1.2); 8.1371 (7.3); 8.1245 (0.4); 7.9531 (2.5); 7.8640 (2.8); 7.8454 (2.6); 7.7457 (3.4); 7.6998 (0.4); 7.6148 (2.6); 7.5941 (2.5); 7.5248 (1.0); 7.5206 (1.0); 7.5040 (2.2); 7.4996 (2.3); 7.4716 (3.8); 7.4507 (1.8); 5.9230 (0.5); 5.9108 (1.0); 5.8978 (0.5); 5.8073 (0.5); 5.7956 (0.8); 5.7821 (0.5); 3.7820 (0.7); 3.7698 (1.5); 3.7555 (0.9); 3.7273 (0.6); 3.7197 (0.7); 3.7119 (1.2); 3.6964 (0.7); 3.3014 (10.9); 2.8909 (16.0); 2.7319 (14.3); 2.5053 (8.2); 2.5010 (11.1); 2.4967 (8.3); −0.0002 (4.3)
I-142: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.0909 (1.4); 9.0761 (3.0); 9.0616 (1.5); 8.0813 (13.8); 7.7637 (1.1); 7.7443 (9.8); 7.7250 (3.4); 7.7072 (4.3); 7.6869 (6.6); 7.6041 (2.9); 7.5839 (2.3); 7.4958 (0.6); 7.4755 (16.0); 7.4510 (0.5); 6.0461 (1.1); 6.0330 (1.9); 6.0210 (1.1); 5.9307 (1.0); 5.9178 (2.0); 5.9056 (1.1); 3.8979 (1.7); 3.8828 (2.6); 3.8729 (1.3); 3.8675 (1.2); 3.8398 (1.9); 3.8257 (2.9); 3.8127 (1.4); 3.3214 (30.9); 2.6710 (0.9); 2.6667 (0.7); 2.5062 (117.2); 2.5019 (150.2); 2.4976 (108.9); 2.3328 (0.7); 2.3285 (0.9); 2.3241 (0.6); −0.0001 (0.8)
I-143: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 8.9469 (1.2); 8.9256 (1.2); 7.8026 (5.0); 7.7189 (0.5); 7.6986 (1.4); 7.6782 (1.2); 7.6374 (1.6); 7.6237 (2.5); 7.6210 (2.6); 7.5793 (1.1); 7.5577 (0.9); 7.2172 (1.6); 7.1969 (1.6); 6.6562 (4.3); 6.6357 (1.3); 6.6290 (0.8); 5.1301 (0.6); 5.1125 (0.7); 3.6895 (16.0); 3.3643 (42.4); 2.8910 (1.3); 2.7320 (1.6); 2.7187 (1.3); 2.7042 (1.3); 2.6901 (0.5); 2.6030 (13.1); 2.5128 (5.8); 2.5085 (12.3); 2.5040 (16.7); 2.4995 (12.2); 2.4950 (6.0); 1.9702 (0.4); 1.9585 (0.5); 1.9493 (0.6); 1.9352 (0.3); 1.8823 (0.3); 1.8689 (0.4); 1.8563 (0.4); 1.8364 (0.4); 1.7657 (0.5); 1.7467 (0.9); 1.7368 (1.0); 1.7228 (0.8)
I-144: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.6228 (0.6); 7.5964 (2.5); 7.5752 (7.5); 7.5534 (0.7); 7.5042 (3.4); 7.4751 (3.6); 7.4468 (9.3); 7.4404 (5.8); 7.4330 (1.9); 7.4184 (1.5); 7.4106 (0.9); 7.2988 (18.5); 7.2767 (3.0); 7.2698 (2.8); 7.2488 (2.2); 7.2420 (2.1); 6.4540 (0.9); 6.4336 (1.6); 6.4130 (0.9); 6.0965 (0.9); 6.0865 (1.0); 6.0723 (1.0); 6.0623 (0.9); 5.9407 (0.9); 5.9307 (1.0); 5.9166 (1.0); 5.9064 (0.9); 4.3068 (0.5); 4.2967 (0.5); 4.2843 (0.5); 4.2742 (0.5); 4.2579 (0.7); 4.2477 (0.7); 4.2355 (0.6); 4.2250 (0.6); 4.2145 (0.6); 4.2042 (0.5); 4.1919 (0.5); 4.1817 (0.5); 4.1654 (0.7); 4.1552 (0.6); 4.1429 (0.7); 4.1328 (0.6); 3.9394 (0.6); 3.9205 (0.7); 3.9150 (0.7); 3.8961 (0.7); 3.8903 (0.6); 3.8681 (1.1); 3.8483 (1.0); 3.8252 (0.7); 3.8197 (0.6); 3.8006 (0.6); 3.7953 (0.5); 3.7763 (0.5); 2.8578 (0.5); 2.8399 (0.8); 2.8326 (0.7); 2.8148 (2.6); 2.7952 (2.9); 2.7897 (2.8); 2.7704 (2.8); 2.7522 (0.8); 2.7457 (0.9); 2.7275 (0.5); 2.0431 (1.9); 1.6050 (16.0); 1.3515 (5.7); 1.3265 (13.0); 1.3014 (5.6); 0.0472 (0.6); 0.0363 (19.1); 0.0252 (0.7)
I-145: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5710 (0.6); 7.5465 (1.6); 7.5214 (1.6); 7.4942 (0.8); 7.3644 (1.0); 7.3491 (2.9); 7.3419 (3.6); 7.3090 (0.7); 7.3060 (0.7); 7.2985 (10.2); 7.2509 (2.2); 7.2235 (2.9); 7.0738 (1.8); 7.0667 (1.7); 7.0465 (1.3); 7.0394 (1.3); 6.1659 (0.4); 6.1479 (0.8); 6.1293 (0.4); 3.8857 (1.1); 3.8639 (2.9); 3.8426 (3.0); 3.8207 (1.2); 3.1384 (2.1); 3.1160 (3.9); 3.0937 (1.8); 2.6362 (0.7); 2.6219 (16.0); 2.3467 (16.0); 2.2077 (0.4); 2.0793 (0.8); 1.7589 (0.4); 1.2951 (0.5); 0.0478 (0.4); 0.0371 (10.6); 0.0261 (0.4)
I-146: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.4303 (1.6); 7.4034 (3.8); 7.3771 (5.8); 7.3517 (3.9); 7.3219 (3.1); 7.2986 (25.6); 7.2252 (2.9); 7.2187 (4.5); 7.2125 (2.8); 7.1798 (0.4); 7.1511 (0.4); 7.1338 (2.3); 7.0885 (4.5); 7.0107 (2.3); 6.9847 (2.0); 6.7764 (0.9); 6.7568 (1.6); 6.7366 (0.9); 4.9659 (1.6); 4.9404 (3.8); 4.9288 (2.2); 4.9214 (2.2); 4.8928 (0.4); 4.8136 (1.8); 4.7860 (4.6); 4.7711 (5.6); 4.7296 (1.5); 4.7076 (0.6); 4.5952 (0.4); 4.2494 (1.5); 4.2290 (1.4); 4.2005 (3.0); 4.1801 (2.8); 4.1518 (1.6); 4.1316 (1.4); 3.7932 (1.1); 3.7698 (3.0); 3.7464 (3.1); 3.7230 (1.2); 3.5267 (8.0); 3.3959 (0.4); 3.3833 (0.5); 2.9902 (0.7); 2.9097 (0.6); 2.5071 (11.5); 2.3447 (16.0); 1.6380 (0.9); 1.5721 (0.6); 1.5105 (0.5); 1.4800 (0.7); 1.4507 (0.9); 1.3030 (7.6); 1.2940 (10.9); 1.2801 (8.7); 1.2567 (4.5); 1.1956 (0.6); 1.1444 (1.8); 1.0466 (0.3); 1.0274 (0.4); 1.0158 (0.4); 0.9816 (0.4); 0.9184 (1.7); 0.8936 (1.6); 0.8693 (1.1); 0.2431 (0.5); 0.2321 (0.4); 0.2218 (0.9); 0.2095 (1.1); 0.1811 (2.1); 0.1711 (2.2); 0.1078 (0.7); 0.0485 (1.1); 0.0378 (22.3); 0.0272 (1.3)
I-147: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 8.3199 (6.9); 7.8605 (1.2); 7.8454 (1.3); 7.6182 (0.4); 7.6007 (3.3); 7.5909 (6.6); 7.4925 (3.5); 7.4462 (0.3); 7.4376 (1.2); 7.4307 (1.8); 7.4269 (1.8); 7.4201 (1.5); 7.2592 (5.5); 6.5924 (6.6); 5.3524

TABLE 2-continued

(1.3); 5.3393 (1.5); 5.3266 (0.6); 2.6171 (0.3); 2.5832 (2.8); 2.5716 (2.8); 2.5383 (0.4); 2.2936 (0.4); 2.2843 (0.5); 2.2711 (1.2); 2.2632 (1.1); 2.2540 (0.8); 2.2435 (0.8); 2.2358 (0.4); 1.9206 (0.3); 1.9038 (1.5); 1.8897 (2.0); 1.8774 (3.2); 1.8732 (3.1); 1.8510 (1.3); 1.8296 (0.4); 1.5524 (1.8); 1.4224 (0.5); 1.3360 (0.7); 1.2840 (1.6); 1.2561 (16.0); 1.1608 (0.5); 1.1416 (0.4); 1.1304 (0.4); 1.1068 (0.7); 0.8928 (1.2); 0.8894 (1.2); 0.8804 (1.6); 0.8673 (1.2); 0.8412 (1.5); 0.7158 (0.4); −0.0002 (5.1)

I-148: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.1927 (2.9); 7.6091 (0.4); 7.5815 (1.4); 7.5554 (5.8); 7.5338 (16.0); 7.5169 (2.3); 7.4890 (9.7); 7.4601 (15.8); 7.4347 (3.6); 7.4142 (2.5); 7.3855 (7.6); 7.3632 (13.5); 7.3348 (11.4); 7.3267 (6.6); 7.3194 (3.7); 7.3122 (2.4); 7.2986 (47.4); 5.4637 (0.4); 4.2048 (4.0); 4.1845 (3.9); 4.1730 (0.8); 4.1578 (8.4); 4.1374 (8.1); 4.1107 (4.2); 4.0904 (4.1); 4.0504 (0.4); 4.0295 (0.4); 3.1671 (0.6); 3.1547 (1.4); 3.1443 (2.5); 3.1321 (3.4); 3.1219 (3.4); 3.1095 (2.6); 3.0991 (1.5); 3.0871 (0.7); 2.3765 (0.9); 2.3594 (2.2); 2.3490 (2.3); 2.3424 (1.6); 2.3322 (4.4); 2.3217 (1.6); 2.3150 (2.5); 2.3048 (2.3); 2.2878 (1.1); 1.6086 (12.7); 1.4613 (0.3); 1.3710 (0.4); 1.3217 (0.8); 1.2934 (4.2); 1.2557 (0.6); 1.2200 (2.6); 1.2050 (7.6); 1.1974 (8.6); 1.1883 (8.0); 1.1805 (8.3); 1.1679 (3.5); 1.1346 (0.6); 1.1182 (0.6); 1.0839 (0.7); 1.0633 (0.5); 1.0556 (0.6); 1.0338 (3.6); 1.0212 (7.9); 1.0131 (6.9); 1.0066 (4.6); 0.9941 (7.9); 0.9859 (7.1); 0.9713 (2.6); 0.9250 (2.3); 0.9191 (1.8); 0.9079 (5.8); 0.9016 (8.1); 0.8848 (8.4); 0.8787 (6.8); 0.8617 (3.3); 0.8320 (0.6); 0.8093 (0.6); 0.7966 (0.6); 0.7832 (0.5); 0.7432 (2.9); 0.7274 (7.0); 0.7195 (8.3); 0.7148 (7.0); 0.7077 (5.9); 0.6908 (2.1); 0.1073 (5.4); 0.0480 (1.1); 0.0372 (34.6); 0.0262 (1.3)

I-149: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.6475 (2.2); 7.6423 (1.7); 7.6302 (3.8); 7.5815 (2.0); 7.5531 (2.4); 7.5380 (1.9); 7.5342 (1.9); 7.5320 (2.0); 7.4885 (1.9); 7.4576 (0.4); 7.4440 (0.9); 7.4356 (0.9); 7.4294 (1.3); 7.4233 (1.0); 7.4136 (0.7); 7.4054 (0.6); 7.2986 (7.8); 7.2633 (1.3); 7.2567 (1.2); 7.2351 (1.0); 7.2284 (1.0); 6.6051 (0.5); 6.5840 (0.9); 6.5628 (0.5); 4.4884 (0.9); 4.4670 (0.9); 4.4518 (0.3); 4.4398 (2.0); 4.4184 (1.9); 4.3912 (1.0); 4.3698 (0.9); 2.5840 (16.0); 2.5607 (1.8); 1.6228 (4.4); 1.2914 (1.3); 0.9176 (0.6); 0.0357 (5.3)

I-150: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ =9.1912 (1.3); 9.1714 (1.4); 7.8021 (6.2); 7.7319 (0.6); 7.7121 (1.8); 7.6925 (1.5); 7.6689 (2.3); 7.6547 (2.0); 7.6353 (1.0); 7.6096 (2.8); 7.5915 (1.4); 7.5718 (1.0); 7.4228 (1.4); 7.4177 (1.9); 7.4142 (1.6); 7.4034 (1.9); 7.3982 (2.8); 7.3943 (2.0); 7.2754 (2.1); 7.2559 (3.1); 7.2364 (1.3); 5.1556 (0.8); 5.1372 (1.2); 5.1191 (0.8); 3.3526 (18.2); 2.8912 (1.2); 2.7332 (1.0); 2.6096 (16.0); 2.5139 (4.5); 2.5095 (9.6); 2.5050 (13.0); 2.5004 (9.4); 2.4960 (4.6); 1.4425 (6.2); 1.4250 (6.1)

I-151: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.1772 (4.8); 8.0487 (0.4); 8.0302 (0.6); 7.6460 (1.4); 7.6393 (1.2); 7.6347 (1.2); 7.6278 (3.4); 7.6245 (3.2); 7.5124 (1.6); 7.4773 (0.7); 7.4656 (0.9); 7.4590 (0.8); 7.4469 (0.7); 7.4389 (0.4); 7.3754 (1.6); 7.3488 (1.8); 7.2987 (7.5); 7.0704 (1.7); 6.9811 (1.0); 6.9546 (0.8); 4.3137 (0.9); 4.2939 (0.9); 4.2655 (1.9); 4.2457 (1.8); 4.2174 (1.0); 4.1975 (1.0); 4.1703 (0.4); 4.1466 (0.4); 3.1040 (1.0); 3.0787 (3.3); 3.0534 (3.4); 3.0280 (1.2); 2.5225 (3.0); 2.5158 (5.3); 2.5085 (3.0); 2.3133 (7.2); 2.0832 (1.6); 1.6161 (16.0); 1.4315 (3.8); 1.4062 (8.0); 1.3809 (3.7); 1.3203 (0.8); 1.2965 (2.4); 1.2727 (0.6); 0.9402 (0.5); 0.9184 (1.6); 0.8953 (0.6); 0.1071 (1.8); 0.0364 (6.4)

I-152: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.0046 (0.4); 8.9895 (1.0); 8.9741 (1.0); 8.9591 (0.4); 7.7689 (4.8); 7.7285 (0.6); 7.7088 (1.6); 7.6887 (1.4); 7.6626 (1.9); 7.6392 (1.6); 7.6335 (1.5); 7.6172 (1.0); 7.5532 (1.8); 7.5498 (2.1); 7.5467 (2.0); 7.5356 (2.0); 7.5150 (1.7); 7.4745 (1.2); 7.4540 (2.1); 7.4242 (1.0); 7.4199 (0.9); 7.4039 (0.7); 7.3995 (0.6); 7.3020 (0.7); 7.2985 (0.7); 7.2820 (0.7); 6.3576 (1.0); 6.3487 (2.4); 6.0462 (0.4); 6.0150 (0.4); 5.9308 (0.5); 5.9189 (0.3); 5.8988 (0.5); 5.4665 (1.6); 5.1691 (1.4); 4.0377 (1.0); 4.0199 (1.0); 3.8871 (0.3); 3.8748 (0.5); 3.8661 (0.9); 3.8530 (0.9); 3.8389 (0.4); 3.8276 (0.6); 3.8114 (1.1); 3.7965 (1.0); 3.7826 (0.4); 3.3247 (38.8); 2.6755 (0.6); 2.6709 (0.9); 2.6664 (0.7); 2.5975 (16.0); 2.5244 (2.9); 2.5198 (4.4); 2.5110 (51.9); 2.5065 (105.2); 2.5019 (139.8); 2.4973 (102.5); 2.4929 (50.2); 2.3333 (0.6); 2.3288 (0.9); 2.3243 (0.6); 2.0491 (5.2); 1.9889 (4.2); 1.8421 (2.0); 1.8307 (2.1); 1.3976 (3.4); 1.1927 (1.2); 1.1749 (2.3); 1.1571 (1.1); −0.0002 (4.5)

I-153: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.4031 (1.5); 7.3765 (1.7); 7.2986 (10.2); 7.1174 (0.3); 7.0906 (3.3); 7.0764 (3.4); 7.0730 (3.7); 7.0636 (1.6); 7.0453 (0.4); 7.0111 (1.0); 6.9843 (0.8); 6.8402 (0.6); 6.8233 (0.8); 6.8183 (0.7); 6.8087 (1.0); 6.7948 (0.5); 6.7861 (0.4); 6.5500 (0.4); 6.5303 (0.7); 6.5108 (0.4); 4.3415 (0.5); 4.3017 (0.8); 4.2806 (0.8); 4.2527 (1.8); 4.2316 (1.7); 4.2035 (0.9); 4.1825 (0.9); 4.0773 (16.0); 2.5239 (5.3); 2.5172 (3.0); 2.3785 (0.4); 2.3335 (6.9); 2.1266 (0.4); 2.1158 (0.5); 2.0985 (0.8); 2.0816 (0.6); 2.0702 (0.5); 1.5897 (6.2); 1.2967 (0.5); 1.0682 (0.6); 1.0528 (1.6); 1.0460 (1.7); 1.0314 (0.9); 1.0242 (1.7); 1.0177 (1.6); 1.0031 (0.8); 0.9207 (0.5); 0.8077 (0.8); 0.7927 (1.8); 0.7868 (1.8); 0.7757 (1.7); 0.7700 (2.0); 0.7537 (0.6); 0.1084 (0.3); 0.0494 (0.4); 0.0386 (12.6); 0.0277 (0.5)

I-154: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 7.6881 (0.4); 7.6355 (8.6); 7.5790 (1.6); 7.5595 (5.8); 7.5424 (16.0); 7.5284 (1.9); 7.5190 (1.7); 7.4557 (12.8); 7.4348 (10.6); 7.4177 (0.6); 7.4059 (0.7); 7.3911 (3.2); 7.3852 (5.4); 7.3798 (3.5); 7.3759 (2.5); 7.3677 (4.1); 7.3610 (7.4); 7.3565 (6.0); 7.3396 (3.9); 7.3353 (3.8); 7.2595 (57.9); 6.7008 (4.9); 6.6714 (5.5); 6.6565 (5.8); 6.6271 (5.9); 6.2856 (2.0); 6.2698 (3.6); 6.2547 (2.0); 6.0524 (10.4); 6.0081 (9.1); 5.8384 (0.4); 5.8223 (10.4); 5.8091 (0.5); 5.7929 (9.6); 4.3791 (3.5); 4.3631 (3.5); 4.3425 (7.4); 4.3265 (7.0); 4.3059 (3.7); 4.2900 (3.5); 3.3694 (0.8); 1.5387 (33.2); 1.3031 (0.5); 1.2648 (2.3); 0.8986 (1.1); 0.8820 (2.9); 0.8643 (1.3); 0.0078 (3.2); −0.0002 (59.6); −0.0084 (2.7)

I-155: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 7.5401 (4.7); 7.5272 (5.2); 7.4270 (3.0); 7.4017 (0.4); 7.3923 (1.3); 7.3861 (1.3); 7.3800 (1.8); 7.3754 (1.5); 7.3698 (1.2); 7.3635 (0.9); 7.3433 (3.8); 7.3191 (2.6); 7.3043 (1.6); 7.2859 (2.6); 7.2670 (1.5); 7.2591 (5.5); 7.2466 (2.3); 7.2281 (1.1); 6.4631 (0.8); 6.4484 (1.4); 6.4335 (0.8); 4.2025 (1.4); 4.1870 (1.4); 4.1667 (3.0); 4.1512 (2.8); 4.1309 (1.5); 4.1154 (1.4); 2.3745 (0.4); 2.3467 (16.0); 1.5702 (1.6); 1.2988 (0.4); 1.2866 (0.4); 1.2822 (0.4); 1.2699 (0.4); 1.2563 (0.7); 0.0714 (0.6); −0.0002 (4.2)

I-156: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.2499 (16.0); 8.0864 (0.7); 8.0161 (1.6); 7.8729 (0.5); 7.6047 (2.0); 7.5854 (4.7); 7.5650 (3.4); 7.5452 (4.4); 7.5255 (1.7); 7.3756 (2.0); 7.3207 (0.4); 7.2596 (29.7); 7.1954 (3.2); 7.1766 (4.0); 7.0988 (2.8); 7.0790 (2.7); 7.0534 (2.6); 7.0381 (7.4); 7.0187 (2.0); 7.0162 (2.0); 6.9339 (3.2); 6.9312 (3.3); 6.9140 (5.4); 6.9113 (4.9); 6.8577 (2.5); 6.8549 (2.4); 6.8370 (3.4); 6.8195 (1.3); 6.8168 (1.3); 3.5217 (0.8); 3.5115 (1.7); 3.5018 (2.0); 3.4925 (2.6); 3.4835 (2.1); 3.4739 (1.8); 3.4636 (0.9); 2.9535

TABLE 2-continued

(12.5); 2.8813 (11.4); 2.5162 (1.1); 2.4961 (2.8); 2.4763 (2.9); 2.4563 (1.2); 1.6254 (1.6); 1.6085 (3.0); 1.6034 (2.0); 1.5916 (2.2); 1.5865 (3.0); 1.5694 (2.4); 1.5532 (6.5); 1.4098 (1.4); 1.3941 (1.3); 1.2109 (1.6); 1.2004 (1.8); 1.1940 (2.8); 1.1837 (2.8); 1.1773 (1.7); 1.1668 (1.5); 0.0078 (0.5); -0.0002 (13.1); −0.0082 (0.6)

I-157: ^{1}H-NMR(300.2 MHz, CDCl3):
δ =9.5213 (1.4); 8.7150 (6.7); 8.7097 (4.4); 8.7001 (4.4); 8.6949 (6.8); 8.0787 (0.9); 8.0598 (1.7); 8.0416 (0.9); 7.6316 (0.6); 7.6055 (3.5); 7.5996 (3.0); 7.5946 (3.1); 7.5877 (7.7); 7.5843 (7.7); 7.5742 (1.2); 7.5689 (1.3); 7.5482 (8.0); 7.5429 (5.0); 7.5334 (5.0); 7.5280 (7.7); 7.4641 (3.8); 7.4487 (0.9); 7.4417 (0.7); 7.4335 (1.7); 7.4218 (2.4); 7.4152 (2.1); 7.4035 (1.7); 7.3952 (1.0); 7.3589 (3.6); 7.3323 (4.1); 7.2986 (8.4); 7.0576 (4.0); 6.9542 (2.2); 6.9278 (1.9); 4.2552 (1.8); 4.2358 (1.8); 4.2074 (3.9); 4.1879 (3.7); 4.1594 (2.0); 4.1399 (1.9); 2.5037 (11.8); 2.4965 (6.9); 2.3628 (0.5); 2.3085 (16.0); 2.2280 (0.4); 2.2151 (0.8); 2.2062 (1.2); 2.1929 (1.6); 2.1844 (1.5); 2.1714 (1.2); 2.1627 (0.8); 2.1497 (0.3); 1.7133 (2.4); 1.2936 (1.2); 0.4755 (0.6); 0.4615 (1.0); 0.4486 (3.1); 0.4356 (5.0); 0.4223 (2.9); 0.4130 (2.6); 0.4055 (2.9); 0.3985 (3.2); 0.3913 (3.1); 0.3754 (2.9); 0.3499 (0.7); 0.1089 (2.8); 0.0474 (0.4); 0.0366 (8.3); 0.0256 (0.4)

I-158: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 9.1372 (0.4); 8.7318 (0.6); 8.7248 (0.6); 8.0804 (2.3); 7.9699 (0.4); 7.9619 (0.4); 7.9418 (0.5); 7.9337 (0.5); 7.7379 (0.8); 7.7097 (0.7); 7.6485 (0.5); 7.6224 (0.4); 7.5460 (0.4); 7.4446 (0.6); 7.4166 (0.3); 7.4131 (0.4); 7.2993 (0.3); 7.1137 (0.8); 6.9282 (0.4); 4.2577 (0.5); 4.2367 (0.4); 3.3457 (16.0); 2.5343 (0.6); 2.5283 (1.2); 2.5223 (1.7); 2.5162 (1.2); 2.5104 (0.6); 1.2558 (0.3); 0.0199 (0.8)

I-159: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ =9.2111 (1.6); 9.1909 (1.6); 7.9531 (1.3); 7.8137 (5.7); 7.7966 (2.9); 7.7525 (2.0); 7.7313 (2.9); 7.7137 (1.9); 7.6927 (2.4); 7.6862 (2.6); 7.6658 (2.1); 7.6466 (1.0); 7.5992 (3.5); 7.5771 (3.3); 7.5206 (1.6); 7.5170 (1.7); 7.4993 (1.3); 7.4956 (1.4); 7.2727 (2.4); 7.2669 (2.6); 7.1020 (1.6); 7.0958 (1.5); 7.0797 (1.4); 7.0734 (1.4); 5.2930 (0.8); 5.2749 (1.2); 5.2563 (0.8); 3.8489 (16.0); 3.3585 (45.7); 3.3538 (51.4); 2.8900 (7.6); 2.7320 (7.0); 2.6114 (14.5); 2.5083 (17.8); 2.5040 (23.9); 2.4997 (18.1); 1.5299 (5.6); 1.5125 (5.6); −0.0002 (0.4)

I-160: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.1859 (5.9); 8.0649 (0.5); 8.0475 (0.8); 8.0302 (0.5); 7.6589 (1.6); 7.6386 (4.5); 7.6231 (0.4); 7.6189 (0.4); 7.5396 (2.1); 7.4815 (0.9); 7.4712 (1.4); 7.4640 (3.1); 7.4507 (1.0); 7.4358 (4.6); 7.4258 (1.9); 7.2985 (7.9); 7.2658 (1.7); 7.2590 (1.6); 7.2379 (1.3); 7.2313 (1.2); 6.1459 (0.5); 6.1354 (0.6); 6.1222 (0.6); 6.1117 (0.6); 5.9904 (0.5); 5.9800 (0.6); 5.9668 (0.6); 5.9562 (0.6); 4.3162 (0.4); 4.3054 (0.4); 4.2937 (0.4); 4.2829 (0.4); 4.2741 (0.3); 4.2516 (0.3); 4.2253 (0.4); 4.2146 (0.4); 4.2030 (0.4); 4.1922 (0.4); 3.9022 (0.4); 3.8850 (0.4); 3.8784 (0.4); 3.8612 (0.4); 3.8535 (0.3); 3.8313 (0.6); 3.8140 (0.6); 3.7908 (0.4); 3.7830 (0.4); 3.7659 (0.3); 3.1093 (1.3); 3.0840 (4.0); 3.0587 (4.2); 3.0334 (1.4); 1.6160 (16.0); 1.4348 (4.6); 1.4095 (9.6); 1.3841 (4.4); 1.2955 (1.4); 0.9393 (0.4); 0.9174 (1.2); 0.8943 (0.5); 0.1061 (1.9); 0.0354 (7.0)

I-161: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.9499 (5.7); 7.9412 (5.7); 7.6323 (0.5); 7.6058 (3.2); 7.5990 (2.8); 7.5939 (3.1); 7.5876 (8.0); 7.5842 (7.9); 7.4838 (3.7); 7.4673 (0.7); 7.4518 (1.6); 7.4407 (2.2); 7.4341 (2.0); 7.4218 (1.6); 7.4139 (1.0); 7.3310 (3.6); 7.2986 (19.2); 7.0354 (4.0); 6.9266 (2.2); 6.8997 (1.9); 6.6942 (1.0); 6.6743 (2.0); 6.6542 (1.1); 6.5973 (5.9); 6.5885 (5.8); 5.0749 (1.5); 5.0680 (0.8); 5.0520 (2.7); 5.0311 (2.2); 4.1324 (1.4); 4.1112 (1.4); 4.0851 (3.0); 4.0708 (2.5); 4.0654 (4.2); 4.0436 (2.8); 4.0354 (2.1); 4.0282 (1.2); 4.0165 (1.7); 3.9865 (1.8); 3.9629 (2.5); 3.9416 (1.8); 3.9350 (1.4); 3.9143 (0.8); 2.4646 (12.0); 2.4577 (6.9); 2.4066 (0.5); 2.3834 (1.0); 2.3680 (1.0); 2.3615 (1.4); 2.3499 (1.2); 2.3418 (1.7); 2.3258 (1.0); 2.3170 (1.1); 2.3041 (0.7); 2.2708 (16.0); 2.1806 (0.5); 2.1568 (1.2); 2.1317 (1.7); 2.1244 (0.7); 2.1098 (2.1); 2.1047 (2.2); 2.0976 (2.2); 2.0869 (3.7); 2.0830 (3.5); 2.0692 (2.9); 2.0625 (2.3); 2.0465 (2.1); 2.0425 (1.6); 2.0384 (1.3); 2.0229 (0.6); 2.0125 (0.5); 1.6402 (1.9); 0.1085 (1.1); 0.0491 (0.9); 0.0383 (21.2); 0.0274 (0.9)

I-162: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 7.5253 (0.4); 7.5075 (3.4); 7.4978 (4.6); 7.4256 (2.6); 7.3564 (1.0); 7.3480 (1.4); 7.3450 (1.3); 7.3392 (1.1); 7.3210 (2.2); 7.3050 (2.4); 7.2587 (3.3); 7.0324 (3.1); 6.9957 (0.7); 6.9845 (1.2); 6.9728 (0.7); 6.9553 (1.7); 6.9393 (1.5); 4.1950 (1.0); 4.1825 (1.0); 4.1652 (2.1); 4.1528 (2.0); 4.1354 (1.1); 4.1229 (1.1); 4.1137 (1.0); 4.0181 (16.0); 2.4590 (8.2); 2.3379 (0.7); 2.2896 (11.1); 2.1585 (0.6); 1.5743 (4.8); 1.2660 (0.8); 0.8955 (0.5); 0.8820 (1.0); 0.8679 (0.5); −0.0002 (3.0)

I-163: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 7.9799 (1.5); 7.5488 (1.4); 7.5289 (6.5); 7.5140 (16.0); 7.5119 (14.5); 7.4470 (0.8); 7.4317 (2.3); 7.4159 (10.4); 7.3983 (4.5); 7.3761 (6.9); 7.3702 (4.4); 7.3600 (4.1); 7.3459 (7.0); 7.3261 (3.9); 7.2600 (56.7); 7.2464 (4.3); 7.1646 (2.3); 7.1442 (3.9); 7.1236 (1.8); 6.5222 (2.0); 6.5073 (3.6); 6.4919 (2.0); 4.6497 (0.3); 4.5149 (0.7); 4.4975 (0.7); 4.3857 (5.2); 4.3682 (15.9); 4.3507 (16.0); 4.3333 (5.1); 4.2019 (3.9); 4.1861 (3.9); 4.1652 (8.2); 4.1494 (7.8); 4.1284 (4.4); 4.1126 (3.9); 4.0892 (0.4); 2.9470 (10.5); 2.8625 (9.4); 1.5494 (70.5); 1.5197 (0.9); 1.5022 (0.6); 1.4779 (0.6); 1.4551 (16.4); 1.4377 (32.5); 1.4202 (15.8); 1.3975 (1.4); 1.3801 (0.8); 1.3637 (0.3); 1.2221 (0.6); −0.0002 (16.3)

I-164: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.8915 (5.8); 7.8564 (0.4); 7.8389 (0.7); 7.8194 (0.4); 7.7230 (1.6); 7.7177 (1.4); 7.7127 (1.4); 7.7053 (3.5); 7.7019 (3.5); 7.6781 (1.8); 7.6749 (1.8); 7.5708 (1.6); 7.5210 (1.4); 7.5122 (0.9); 7.4995 (1.3); 7.4930 (4.0); 7.4819 (0.9); 7.4733 (0.6); 7.4625 (1.8); 7.4567 (1.6); 7.4343 (0.7); 7.4285 (0.7); 7.2984 (10.6); 4.5105 (0.9); 4.4901 (0.9); 4.4618 (1.9); 4.4414 (1.8); 4.4131 (1.0); 4.3927 (0.9); 2.8416 (16.0); 1.5919 (2.5); 0.1065 (0.5); 0.0471 (0.4); 0.0363 (10.2); 0.0253 (0.4)

I-165: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.2909 (16.0); 7.8875 (4.3); 7.6128 (3.6); 7.5910 (5.8); 7.5693 (3.8); 7.4651 (8.1); 7.4365 (17.3); 7.3672 (3.6); 7.3443 (6.5); 7.3215 (4.8); 7.3000 (5.6); 7.2804 (7.2); 7.2748 (6.8); 7.2526 (5.6); 7.2468 (5.4); 7.2279 (4.9); 7.2007 (6.4); 7.1974 (6.3); 7.1736 (2.9); 7.1046 (0.4); 7.0795 (0.5); 7.0582 (0.4); 6.1365 (2.4); 6.1265 (2.7); 6.1142 (2.7); 6.1044 (2.4); 5.9817 (2.4); 5.9713 (2.7); 5.9595 (2.7); 5.9494 (2.3); 5.3341 (3.6); 4.3300 (1.2); 4.3200 (1.3); 4.3088 (1.4); 4.2979 (1.4); 4.2818 (1.7); 4.2710 (1.8); 4.2599 (1.8); 4.2483 (2.0); 4.2331 (1.5); 4.2219 (1.5); 4.2112 (1.4); 4.1948 (1.7); 4.1843 (1.8); 4.1731 (1.7); 4.1628 (1.6); 4.1426 (0.4); 4.1303 (0.4); 3.9437 (1.4); 3.9245 (2.0); 3.9031 (1.7); 3.8954 (1.6); 3.8715 (2.7); 3.8531 (2.8); 3.8295 (1.8); 3.8220 (1.6); 3.8012 (1.6); 3.7813 (1.1); 2.0786 (0.6); 1.6680 (0.9); 1.2907 (1.8); 1.0524 (0.4); 1.0342 (0.7); 1.0125 (0.6); 0.7945 (0.3); 0.0347 (3.3)

TABLE 2-continued

I-166: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.1659 (1.4); 9.1462 (1.4); 7.8144 (6.0); 7.7284 (0.6); 7.7084 (1.7); 7.6893 (1.5); 7.6503 (2.0); 7.6299 (3.6); 7.5747 (1.4); 7.5535 (1.1); 7.4708 (0.6); 7.4658 (0.7); 7.4513 (0.7); 7.4461 (0.8); 7.4412 (0.8); 7.4359 (0.8); 7.4213 (0.7); 7.4163 (0.7); 7.3764 (0.6); 7.3552 (1.4); 7.3498 (0.8); 7.3342 (1.0); 7.3285 (1.4); 7.3076 (0.9); 7.2571 (0.8); 7.2466 (0.9); 7.2308 (0.6); 7.2255 (0.6); 5.1495 (0.8); 5.1314 (1.3); 5.1134 (0.8); 3.3666 (48.2); 2.8933 (0.9); 2.7345 (0.8); 2.6131 (16.0); 2.5161 (5.8); 2.5117 (12.5); 2.5072 (17.0); 2.5027 (12.4); 2.4983 (6.1); 1.4366 (6.4); 1.4191 (6.4)
I-167: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.0837 (1.5); 9.0626 (1.5); 7.8219 (6.7); 7.7226 (0.6); 7.7029 (1.7); 7.6821 (1.5); 7.6425 (4.5); 7.6261 (1.1); 7.5989 (1.6); 7.5799 (1.0); 7.1683 (2.8); 7.0495 (1.0); 7.0300 (1.9); 6.9829 (2.8); 6.9633 (1.6); 5.1764 (0.4); 5.1627 (0.8); 5.1425 (0.8); 5.1288 (0.4); 4.7336 (0.4); 4.6959 (2.8); 4.6856 (2.7); 4.6483 (0.4); 4.0183 (1.1); 4.0066 (1.2); 3.9900 (1.4); 3.9783 (1.3); 3.7575 (1.3); 3.7420 (1.3); 3.7291 (1.1); 3.7138 (1.1); 3.3311 (27.6); 2.6030 (16.0); 2.5246 (0.6); 2.5112 (9.8); 2.5070 (19.0); 2.5025 (24.5); 2.4980 (17.6); 2.4937 (8.6); 2.0599 (11.1); 1.2404 (0.8)
I-168: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 7.5200 (3.4); 7.5099 (3.7); 7.4944 (0.3); 7.4546 (2.9); 7.4375 (4.0); 7.4062 (2.2); 7.3579 (3.7); 7.3410 (2.8); 7.3209 (0.8); 7.3159 (0.9); 7.3108 (1.2); 7.3073 (1.1); 7.3029 (0.8); 7.2979 (0.7); 7.2602 (3.6); 7.1297 (0.5); 7.1182 (1.0); 7.1066 (0.6); 4.1419 (0.8); 4.1293 (0.9); 4.1126 (1.9); 4.1082 (1.4); 4.1001 (1.9); 4.0833 (1.1); 4.0708 (0.9); 4.0057 (16.0); 3.9933 (0.7); 1.5781 (3.2); 1.2553 (0.6); −0.0002 (3.2)
I-169: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 7.5247 (0.4); 7.5053 (4.6); 7.4925 (5.4); 7.4160 (3.1); 7.4021 (0.5); 7.3922 (1.4); 7.3861 (1.2); 7.3801 (1.8); 7.3754 (1.5); 7.3698 (1.0); 7.3635 (0.7); 7.2588 (5.8); 7.2330 (4.0); 7.2129 (5.7); 7.1263 (5.1); 7.1064 (3.5); 6.6583 (1.8); 6.6289 (2.0); 6.6140 (2.1); 6.5846 (2.1); 6.3749 (1.4); 6.3548 (1.3); 6.0263 (4.0); 5.9820 (3.5); 5.7381 (3.9); 5.7086 (3.6); 5.3097 (0.4); 5.2921 (1.2); 5.2737 (1.6); 5.2553 (1.1); 2.3201 (16.0); 2.2805 (0.5); 2.2736 (0.5); 1.5718 (8.8); 1.5591 (9.4); 1.5418 (9.2); 1.2648 (0.8); 0.8982 (0.4); 0.8817 (1.0); 0.8640 (0.4); −0.0002 (3.6)
I-170: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 8.8246 (0.8); 8.8102 (1.6); 8.7960 (0.8); 8.0999 (9.2); 7.7559 (0.7); 7.7366 (2.1); 7.7169 (2.2); 7.7042 (2.5); 7.6841 (0.9); 7.6498 (2.8); 7.5863 (1.6); 7.5668 (1.3); 7.5472 (3.3); 7.4247 (1.0); 7.4049 (2.4); 7.4011 (2.4); 7.3767 (4.0); 7.3569 (1.7); 3.5764 (1.0); 3.5594 (2.6); 3.5441 (2.6); 3.5268 (1.1); 3.3228 (107.8); 2.9392 (1.9); 2.9218 (3.8); 2.9040 (1.8); 2.6752 (0.6); 2.6706 (0.8); 2.6661 (0.6); 2.5408 (66.4); 2.5238 (2.0); 2.5189 (2.9); 2.5102 (55.7); 2.5059 (117.5); 2.5015 (157.9); 2.4970 (112.4); 2.4926 (53.1); 2.3524 (0.4); 2.3367 (16.0); 1.2346 (0.4); 0.0079 (0.4); −0.0003 (14.6); −0.0083 (0.5)
I-171: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 9.3983 (0.6); 8.3454 (4.9); 7.6200 (1.8); 7.6159 (1.6); 7.6105 (1.4); 7.6024 (3.6); 7.5993 (3.8); 7.4677 (1.9); 7.4542 (0.4); 7.4394 (0.8); 7.4273 (1.1); 7.4205 (0.9); 7.4096 (0.8); 7.4016 (0.5); 7.3541 (1.8); 7.3275 (2.1); 7.2983 (6.8); 7.0687 (2.1); 6.9356 (1.1); 6.9092 (1.0); 4.7075 (1.1); 4.6904 (1.0); 4.6593 (2.2); 4.6421 (2.2); 4.6110 (1.1); 4.5939 (1.1); 2.7610 (16.0); 2.5037 (6.3); 2.4965 (3.5); 2.3094 (8.4); 2.0818 (1.0); 1.5964 (1.7); 1.3207 (0.3); 1.2968 (1.0); 0.1094 (0.3); 0.0388 (7.2)
I-172: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.1274 (3.2); 8.0424 (0.5); 7.6674 (1.3); 7.6494 (0.4); 7.6226 (1.0); 7.5962 (0.8); 7.5275 (0.9); 7.4972 (1.2); 7.4687 (2.1); 7.4359 (1.2); 7.4308 (1.1); 7.4096 (1.4); 7.3712 (0.7); 7.3437 (0.6); 7.3047 (9.1); 6.9326 (0.7); 6.7450 (1.4); 6.5574 (0.7); 5.3438 (0.7); 4.4997 (0.6); 4.4793 (0.6); 4.4520 (1.3); 4.4314 (1.3); 4.4042 (0.7); 4.3838 (0.6); 2.7607 (9.7); 2.0892 (0.6); 2.0515 (0.8); 1.6051 (16.0); 1.3031 (0.6); 0.0535 (0.3); 0.0428 (8.1)
I-173: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.6831 (5.1); 8.6788 (4.9); 8.4906 (4.8); 8.4848 (4.7); 8.2775 (11.7); 8.0155 (1.2); 7.8072 (3.5); 7.8017 (5.0); 7.7965 (3.2); 7.7431 (1.4); 7.3354 (3.5); 7.3154 (3.9); 7.2601 (45.4); 7.0519 (4.1); 6.9961 (0.4); 6.9806 (2.2); 6.9615 (2.0); 4.2545 (1.9); 4.2397 (1.8); 4.2183 (3.9); 4.2035 (3.7); 4.1821 (2.0); 4.1673 (1.8); 2.9551 (8.7); 2.8821 (7.7); 2.4727 (11.7); 2.3057 (16.0); 1.5505 (26.7); −0.0002 (2.4)
I-174: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 7.9765 (2.3); 7.5521 (1.4); 7.5325 (6.6); 7.5175 (15.4); 7.5155 (14.0); 7.4972 (9.7); 7.4757 (13.7); 7.4501 (1.0); 7.4177 (7.6); 7.3926 (13.4); 7.3712 (9.5); 7.3631 (3.8); 7.3552 (4.7); 7.3497 (3.6); 7.3393 (3.4); 7.3340 (2.1); 7.2601 (50.0); 6.5519 (2.0); 6.5370 (3.4); 6.5220 (1.9); 4.6377 (0.3); 4.6200 (0.4); 4.4915 (0.6); 4.4740 (0.7); 4.3562 (4.6); 4.3388 (14.5); 4.3213 (14.6); 4.3039 (4.6); 4.1942 (3.4); 4.1783 (3.4); 4.1577 (7.2); 4.1419 (6.9); 4.1212 (3.7); 4.1054 (3.4); 2.9467 (16.0); 2.8611 (14.4); 1.5522 (58.4); 1.5245 (0.6); 1.5067 (0.9); 1.4891 (0.5); 1.4768 (0.3); 1.4445 (14.8); 1.4271 (29.4); 1.4096 (14.2); 1.3851 (1.3); 1.3675 (0.7); −0.0002 (14.7)
I-175: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.2980 (0.6); 8.2885 (16.0); 8.0328 (1.0); 8.0128 (1.5); 7.4742 (4.5); 7.4462 (6.0); 7.4387 (3.9); 7.4338 (4.8); 7.4280 (3.8); 7.2985 (26.9); 7.2550 (3.6); 7.2481 (3.4); 7.2270 (2.9); 7.2202 (2.7); 7.2052 (1.0); 7.1776 (6.2); 7.1601 (6.9); 7.1550 (6.2); 7.1470 (3.6); 7.1280 (0.9); 7.1198 (0.4); 6.9473 (0.4); 6.9337 (1.6); 6.9181 (2.4); 6.9116 (1.8); 6.9027 (2.6); 6.8880 (1.4); 6.8798 (1.2); 6.1490 (1.1); 6.1381 (1.2); 6.1269 (1.2); 6.1161 (1.1); 5.9946 (1.1); 5.9837 (1.2); 5.9725 (1.2); 5.9618 (1.1); 4.3347 (0.6); 4.3237 (0.7); 4.3130 (0.6); 4.3019 (0.7); 4.2860 (0.8); 4.2750 (0.9); 4.2642 (0.8); 4.2529 (1.1); 4.2395 (0.6); 4.2287 (0.7); 4.2177 (0.7); 4.2017 (0.9); 4.1906 (0.8); 4.1799 (0.9); 4.1690 (0.8); 3.9672 (0.8); 3.9493 (1.0); 3.9456 (1.0); 3.9275 (0.9); 3.9186 (0.7); 3.9005 (0.8); 3.8966 (0.9); 3.8911 (1.0); 3.8787 (0.8); 3.8732 (1.1); 3.8695 (1.0); 3.8515 (0.8); 3.8424 (0.8); 3.8244 (0.8); 3.8206 (0.8); 3.8026 (0.6); 2.1946 (0.5); 2.1774 (1.1); 2.1663 (1.2); 2.1491 (2.2); 2.1317 (1.3); 2.1208 (1.2); 2.1032 (0.6); 1.5830 (15.7); 1.4704 (0.4); 1.1190 (1.6); 1.1037 (4.3); 1.0969 (4.6); 1.0910 (2.3); 1.0820 (2.4); 1.0751 (4.5); 1.0686 (4.1); 1.0538 (2.1); 0.8550 (2.2); 0.8399 (5.1); 0.8339 (4.7); 0.8229 (4.4); 0.8175 (5.4); 0.8009 (1.6); 0.1080 (0.6); 0.0489 (1.2); 0.0382 (33.6); 0.0272 (1.1)
I-176: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.1496 (5.0); 8.0688 (0.7); 7.6258 (0.6); 7.5998 (1.5); 7.5734 (1.2); 7.5092 (1.4); 7.4835 (0.8); 7.4032 (1.7); 7.3717 (2.6); 7.3450 (2.7); 7.2987 (5.7); 7.0660 (1.9); 6.9800 (1.0); 6.9535 (0.9); 6.9145 (1.1); 6.7268 (2.2); 6.5391 (1.1); 4.3061 (1.0); 4.2863 (1.0); 4.2580 (2.2); 4.2382 (2.1); 4.2099 (1.1); 4.1901 (1.1); 4.1714 (0.6); 4.1476 (0.6); 2.7536 (16.0); 2.5191 (3.2); 2.5120 (5.9); 2.5046 (3.2); 2.3149 (8.0); 2.0826 (2.6); 1.6068 (2.3); 1.3210 (0.7); 1.2971 (1.6); 1.2733 (0.7); 0.0384 (7.0)

TABLE 2-continued

I-177: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 7.9869 (0.5); 7.5423 (0.5); 7.5225 (2.3); 7.5073 (5.9); 7.4239 (3.0); 7.4017 (0.5); 7.3974 (0.4); 7.3890 (1.3); 7.3821 (2.2); 7.3767 (1.7); 7.3659 (1.6); 7.3505 (3.8); 7.3263 (3.1); 7.3228 (3.1); 7.3038 (2.7); 7.2851 (1.4); 7.2598 (20.7); 6.4753 (0.8); 6.4599 (1.3); 6.4447 (0.7); 4.3815 (1.8); 4.3641 (5.7); 4.3466 (5.8); 4.3292 (1.8); 4.1971 (1.4); 4.1815 (1.4); 4.1601 (2.9); 4.1445 (2.8); 4.1230 (1.5); 4.1074 (1.4); 2.9479 (3.6); 2.8663 (3.2); 2.4158 (0.7); 2.3841 (0.5); 2.3653 (16.0); 1.5489 (27.9); 1.4471 (5.9); 1.4296 (11.8); 1.4122 (5.8); 1.3961 (0.5); −0.0002 (5.8)
I-178: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.2807 (4.5); 8.0898 (0.4); 8.0704 (0.7); 8.0507 (0.4); 7.6673 (1.8); 7.5729 (0.8); 7.5468 (2.0); 7.5204 (1.5); 7.5034 (1.3); 7.4752 (2.8); 7.4626 (1.6); 7.4368 (2.3); 7.4088 (0.6); 7.4036 (0.6); 7.2993 (12.7); 7.1599 (0.9); 7.1539 (0.9); 7.1331 (0.8); 7.1276 (0.8); 5.3387 (1.2); 5.1788 (2.1); 5.1585 (2.5); 5.1514 (2.4); 5.1310 (2.5); 4.8374 (2.3); 4.8162 (4.3); 4.7953 (2.3); 4.4871 (0.8); 4.4665 (0.8); 4.4388 (1.8); 4.4184 (1.7); 4.3908 (0.9); 4.3704 (0.9); 4.3248 (0.6); 4.3203 (0.6); 4.2976 (1.0); 4.2755 (0.5); 4.2709 (0.5); 1.5999 (16.0); 0.1069 (1.4); 0.0469 (0.5); 0.0373 (12.0); 0.0266 (0.5)
I-179: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 8.0565 (5.7); 7.9632 (0.7); 7.9519 (1.1); 7.9405 (0.6); 7.6221 (2.8); 7.4657 (1.4); 7.4644 (1.4); 7.4496 (1.9); 7.4483 (2.0); 7.4388 (1.9); 7.4218 (3.7); 7.3949 (2.2); 7.3918 (2.2); 7.3777 (1.3); 7.3717 (2.4); 7.3676 (3.2); 7.3637 (2.1); 7.3579 (1.9); 7.3415 (3.1); 7.3253 (1.6); 7.2669 (1.2); 7.1463 (1.6); 7.1433 (1.5); 7.1299 (1.3); 7.1269 (1.3); 4.4183 (1.1); 4.4060 (1.1); 4.3897 (2.3); 4.3773 (2.2); 4.3610 (1.2); 4.3487 (1.1); 2.7086 (16.0); 2.0409 (1.0); 1.6830 (0.6); 1.2566 (0.6); −0.0002 (1.2)
I-180: ^{1}H-NMR(400.0 MHz, CD3CN):
δ = 7.8047 (0.9); 7.7539 (7.5); 7.6864 (0.8); 7.6667 (2.4); 7.6471 (2.3); 7.6322 (2.9); 7.6127 (1.1); 7.5321 (3.2); 7.4593 (1.9); 7.4397 (1.5); 7.3321 (2.9); 7.3122 (3.1); 7.0607 (4.0); 6.9459 (1.9); 6.9261 (1.7); 4.1873 (1.6); 4.1711 (1.6); 4.1515 (3.3); 4.1354 (3.2); 4.1157 (1.7); 4.0996 (1.6); 3.8426 (3.6); 3.6402 (0.9); 3.1357 (0.4); 3.1197 (0.4); 2.4413 (9.6); 2.2787 (0.7); 2.2660 (1.0); 2.2578 (1.2); 2.2453 (2.0); 2.2317 (14.3); 2.2127 (0.8); 2.1577 (16.6); 2.1417 (17.5); 1.9714 (0.6); 1.9633 (0.6); 1.9516 (7.4); 1.9455 (13.6); 1.9394 (18.7); 1.9332 (13.2); 1.9271 (7.0); 1.7429 (0.4); 1.7309 (0.5); 1.7171 (0.5); 1.6699 (0.4); 1.6578 (0.5); 1.6443 (0.4); 1.4356 (16.0); 1.2724 (0.5); 1.2553 (0.4); 1.2194 (0.6); 1.2102 (1.6); 1.2034 (0.9); 1.1930 (1.6); 1.1145 (0.7); 1.1100 (0.7); 1.1019 (2.0); 1.0955 (3.4); 1.0879 (1.9); 1.0810 (2.3); 1.0750 (3.0); 1.0674 (1.8); 1.0546 (0.7); 1.0461 (1.6); 1.0375 (3.6); 1.0330 (3.4); 1.0260 (3.4); 1.0198 (2.7); 1.0071 (0.8); 0.9215 (0.3); 0.9048 (0.4); −0.0002 (9.2)
I-181: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 7.9885 (1.3); 7.5438 (0.7); 7.5242 (2.9); 7.5080 (7.9); 7.4929 (0.7); 7.4353 (4.0); 7.4080 (0.5); 7.3943 (1.7); 7.3880 (2.7); 7.3825 (2.0); 7.3711 (2.0); 7.3621 (3.7); 7.3419 (3.8); 7.2599 (23.8); 7.0818 (0.4); 7.0503 (4.2); 6.9890 (2.3); 6.9690 (2.0); 6.5176 (1.0); 6.5027 (1.8); 6.4880 (1.0); 4.5058 (0.3); 4.4882 (0.3); 4.3845 (2.4); 4.3670 (7.5); 4.3496 (7.6); 4.3321 (2.4); 4.2272 (1.7); 4.2115 (1.7); 4.1899 (3.7); 4.1743 (3.5); 4.1527 (1.9); 4.1370 (1.7); 2.9483 (9.3); 2.8677 (8.2); 2.4788 (11.8); 2.3487 (0.7); 2.3257 (0.5); 2.2972 (16.0); 1.5530 (28.3); 1.5169 (0.3); 1.4487 (7.7); 1.4313 (15.4); 1.4138 (7.5); 1.3984 (0.7); 1.3807 (0.4); −0.0002 (7.0)
I-182: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.1604 (3.1); 8.0338 (16.0); 7.9610 (0.6); 7.6695 (2.0); 7.6497 (4.7); 7.6299 (3.3); 7.5888 (6.4); 7.5676 (11.1); 7.5400 (4.4); 7.5117 (11.8); 7.4902 (7.0); 7.4657 (6.0); 7.4219 (3.4); 7.4015 (2.9); 7.2465 (2.7); 7.1073 (5.9); 6.9681 (2.9); 4.1496 (1.4); 4.1361 (1.6); 4.1151 (3.2); 4.1013 (3.2); 4.0803 (1.9); 4.0666 (1.7); 3.3119 (34.8); 2.8986 (3.6); 2.7399 (3.3); 2.5131 (13.7); 2.5088 (18.4); 2.5046 (14.0)
I-183: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.7255 (5.4); 7.6072 (0.4); 7.5808 (2.0); 7.5719 (1.9); 7.5618 (4.8); 7.5588 (4.5); 7.5329 (2.6); 7.5043 (3.3); 7.4965 (2.7); 7.4929 (2.5); 7.4904 (2.5); 7.4752 (0.4); 7.4173 (2.4); 7.3953 (0.4); 7.3800 (1.1); 7.3689 (1.4); 7.3619 (1.3); 7.3492 (1.1); 7.3415 (0.6); 7.2986 (1.5); 7.1846 (2.1); 7.1784 (2.1); 7.1571 (2.2); 7.1501 (1.7); 7.1412 (0.8); 4.4198 (1.0); 4.3985 (1.0); 4.3717 (2.1); 4.3504 (2.1); 4.3235 (1.1); 4.3022 (1.0); 2.3096 (16.0); 2.2837 (1.0); 1.7875 (0.6); 1.2912 (0.4); 0.0328 (1.4)
I-184: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.0414 (1.2); 9.0214 (1.2); 7.9532 (0.5); 7.7818 (6.2); 7.7216 (0.6); 7.7014 (1.7); 7.6810 (1.4); 7.6414 (2.9); 7.6355 (2.6); 7.6298 (2.0); 7.5670 (1.3); 7.5468 (1.0); 6.9734 (3.0); 6.9694 (3.3); 6.8683 (1.1); 6.8646 (1.0); 6.8482 (2.1); 6.8442 (2.1); 6.8093 (4.3); 6.7893 (2.2); 5.9561 (3.9); 5.9539 (5.4); 5.9451 (5.0); 5.9429 (4.4); 5.0732 (0.8); 5.0547 (1.2); 5.0363 (0.8); 3.3536 (18.8); 3.3480 (20.0); 2.8908 (3.7); 2.7324 (3.2); 2.6043 (16.0); 2.5130 (5.3); 2.5086 (11.2); 2.5041 (15.0); 2.4995 (10.8); 2.4951 (5.2); 1.4067 (6.1); 1.3893 (6.0); −0.0002 (0.3)
I-185: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.3113 (9.3); 8.1070 (0.7); 8.0894 (1.1); 8.0705 (0.7); 7.5727 (1.5); 7.5466 (3.8); 7.5202 (2.8); 7.4553 (5.0); 7.4279 (7.9); 7.2989 (14.4); 7.2313 (2.5); 7.2243 (2.2); 7.2035 (1.8); 7.1966 (1.9); 7.1769 (1.7); 7.1737 (1.8); 7.1691 (1.6); 7.1659 (1.5); 7.1502 (1.5); 7.1469 (1.5); 7.1424 (1.4); 7.1392 (1.2); 6.1397 (0.8); 6.1290 (0.8); 6.1164 (0.8); 6.1057 (0.8); 5.9845 (0.8); 5.9740 (0.8); 5.9613 (0.8); 5.9507 (0.8); 5.3371 (3.1); 5.1756 (4.0); 5.1553 (4.8); 5.1480 (4.6); 5.1277 (4.8); 4.8371 (2.6); 4.8316 (2.6); 4.8160 (4.6); 4.8106 (4.6); 4.7950 (2.5); 4.7895 (2.4); 4.3588 (0.5); 4.3465 (0.7); 4.3364 (0.6); 4.3234 (1.3); 4.3175 (1.1); 4.3102 (0.8); 4.2955 (2.0); 4.2887 (1.1); 4.2699 (1.3); 4.2594 (0.6); 4.2472 (0.8); 4.2367 (0.5); 4.2212 (0.6); 4.2104 (0.5); 4.1988 (0.6); 4.1881 (0.5); 3.9036 (0.5); 3.8868 (0.6); 3.8804 (0.6); 3.8634 (0.6); 3.8550 (0.5); 3.8375 (0.6); 3.8317 (1.0); 3.8148 (1.0); 3.8088 (0.6); 3.7916 (0.6); 3.7831 (0.5); 3.7661 (0.5); 3.7598 (0.5); 3.7428 (0.4); 1.6152 (16.0); 1.2907 (0.3); 0.1066 (4.9); 0.0469 (0.5); 0.0363 (12.0); 0.0254 (0.5)
I-186: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5591 (1.1); 7.5369 (3.4); 7.5151 (0.4); 7.4789 (1.6); 7.4440 (0.8); 7.4350 (1.2); 7.4276 (0.8); 7.4190 (1.9); 7.4056 (0.5); 7.3922 (1.7); 7.3164 (0.5); 7.2984 (10.3); 7.2772 (0.5); 7.0800 (1.7); 7.0266 (0.9); 7.0003 (0.8); 5.3374 (0.4); 5.1145 (0.4); 5.1063 (0.5); 5.0931 (0.5); 5.0852 (0.6); 5.0801 (0.5); 5.0668 (0.5); 5.0586 (0.4); 4.2888 (0.4); 4.2678 (0.4); 4.2355 (0.7); 4.2142 (0.7); 4.1847 (0.6); 4.1645 (0.8); 4.1312 (0.4); 4.1112 (0.4); 3.7565 (1.0); 3.7300 (1.0); 3.7196 (1.3); 3.6931 (1.2); 3.4962 (1.2); 3.4877 (1.3); 3.4593 (1.0); 3.4509 (0.9); 3.4197 (0.3); 3.4109 (0.3); 3.3444 (16.0); 2.5297 (5.0); 2.5225 (2.9); 2.3066 (6.7); 2.0441 (10.0); 1.6074 (4.0); 1.4618 (6.4); 1.4405 (6.3); 0.0478 (0.4); 0.0371 (9.8); 0.0261 (0.4)

TABLE 2-continued

I-187: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.2772 (13.9); 8.0239 (0.8); 8.0060 (1.3); 7.9891 (0.8); 7.3858 (3.6); 7.3592 (4.1); 7.2985 (15.1); 7.1914 (0.8); 7.1637 (3.6); 7.1552 (2.7); 7.1429 (7.4); 7.1346 (2.5); 7.1273 (2.9); 7.1074 (0.9); 7.1001 (0.5); 7.0647 (3.8); 6.9806 (2.1); 6.9541 (1.8); 6.9253 (1.3); 6.9129 (1.3); 6.9039 (2.0); 6.8948 (2.0); 6.8785 (1.2); 6.8714 (1.1); 4.3034 (2.0); 4.2835 (2.0); 4.2560 (4.4); 4.2359 (4.2); 4.2084 (2.2); 4.1885 (2.1); 2.5212 (6.3); 2.5142 (11.7); 2.5066 (6.4); 2.3101 (16.0); 2.1942 (0.4); 2.1767 (0.9); 2.1656 (1.0); 2.1486 (1.9); 2.1315 (1.0); 2.1203 (1.0); 2.1026 (0.6); 1.5882 (7.2); 1.1174 (1.4); 1.1021 (3.6); 1.0953 (3.8); 1.0894 (2.0); 1.0804 (2.1); 1.0735 (3.8); 1.0669 (3.4); 1.0522 (1.8); 0.8535 (1.8); 0.8384 (4.2); 0.8323 (4.0); 0.8214 (3.7); 0.8159 (4.6); 0.7993 (1.4); 0.0498 (0.6); 0.0465 (0.4); 0.0390 (18.9); 0.0313 (0.5); 0.0281 (0.6)
I-188: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 8.8469 (0.8); 8.8328 (1.6); 8.8187 (0.8); 7.9597 (2.2); 7.7449 (0.6); 7.7256 (1.9); 7.7060 (1.9); 7.6914 (2.4); 7.6721 (1.0); 7.5923 (2.6); 7.5341 (1.5); 7.5146 (1.3); 6.9382 (2.2); 6.9180 (2.6); 6.6562 (3.6); 6.6101 (2.7); 6.5899 (2.5); 3.8206 (16.0); 3.6089 (0.8); 3.5923 (2.2); 3.5769 (2.4); 3.5608 (1.0); 3.3391 (102.1); 2.9644 (1.6); 2.9474 (3.2); 2.9305 (1.6); 2.8975 (12.7); 2.7382 (11.6); 2.5092 (11.3); 2.5053 (8.7); 2.4163 (12.2); 2.2342 (14.2)
I-189: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.9343 (0.5); 7.6545 (1.2); 7.3850 (3.5); 7.3583 (4.0); 7.2987 (18.2); 7.1249 (0.9); 7.0984 (2.9); 7.0718 (9.7); 7.0636 (3.7); 7.0487 (2.0); 7.0427 (2.5); 7.0217 (1.0); 7.0156 (0.8); 6.9822 (2.1); 6.9560 (1.9); 6.8512 (1.3); 6.8432 (1.3); 6.8284 (2.3); 6.8219 (1.9); 6.8033 (1.2); 6.7973 (1.1); 5.0611 (0.5); 5.0403 (1.0); 5.0176 (1.6); 4.9996 (5.9); 4.9961 (5.6); 4.9789 (6.2); 4.9579 (2.1); 4.6461 (3.0); 4.6316 (4.6); 4.6258 (4.8); 4.6086 (2.5); 4.2570 (1.8); 4.2369 (1.7); 4.2094 (3.9); 4.1891 (3.8); 4.1616 (2.0); 4.1414 (1.9); 2.5208 (11.7); 2.5137 (6.7); 2.3230 (16.0); 2.1651 (0.4); 2.1477 (0.9); 2.1366 (1.0); 2.1195 (1.8); 2.1025 (1.1); 2.0914 (1.0); 2.0835 (0.8); 2.0738 (0.5); 1.5925 (14.5); 1.3458 (0.5); 1.3064 (3.3); 1.2741 (0.4); 1.0859 (1.3); 1.0705 (3.4); 1.0638 (3.8); 1.0490 (2.0); 1.0419 (3.7); 1.0353 (3.5); 1.0208 (1.7); 0.9429 (1.2); 0.9211 (3.8); 0.8978 (1.4); 0.8234 (1.7); 0.8083 (4.2); 0.8024 (4.1); 0.7914 (3.7); 0.7856 (4.5); 0.7693 (1.3); 0.1090 (0.6); 0.0499 (0.8); 0.0391 (22.3); 0.0282 (0.8)
I-190: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.1441 (2.4); 8.0166 (0.4); 7.5170 (0.4); 7.5137 (0.5); 7.5112 (0.5); 7.5080 (0.4); 7.4904 (0.6); 7.4871 (0.7); 7.4846 (0.8); 7.4814 (0.6); 7.4115 (0.8); 7.4046 (1.9); 7.3985 (0.8); 7.3766 (2.0); 7.3494 (1.5); 7.3038 (8.4); 7.2147 (0.6); 7.2115 (0.6); 7.2071 (0.6); 7.2040 (0.5); 7.1875 (0.5); 7.1844 (0.5); 7.1799 (0.4); 7.1768 (0.4); 7.0778 (1.0); 6.9985 (0.6); 6.9717 (0.5); 5.3428 (2.3); 4.3033 (0.5); 4.2835 (0.5); 4.2555 (1.0); 4.2356 (1.0); 4.2075 (0.5); 4.1877 (0.5); 2.7602 (7.6); 2.5163 (3.0); 2.5092 (1.7); 2.3382 (4.2); 2.0885 (0.7); 2.0508 (0.7); 1.6081 (16.0); 1.3021 (0.6); 0.1119 (0.4); 0.0422 (7.0)
I-191: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 8.1024 (5.1); 8.0138 (0.5); 7.8352 (1.0); 7.5941 (0.8); 7.5801 (1.5); 7.5689 (1.3); 7.5568 (1.6); 7.5422 (1.0); 7.3656 (1.1); 7.3487 (2.0); 7.3436 (2.6); 7.3275 (2.6); 7.2604 (4.3); 7.0233 (2.8); 6.9394 (1.5); 6.9235 (1.4); 4.2545 (1.1); 4.2426 (1.1); 4.2259 (2.3); 4.2140 (2.2); 4.1973 (1.2); 4.1854 (1.1); 2.9527 (3.1); 2.8804 (3.0); 2.7191 (16.0); 2.4769 (7.9); 2.2929 (0.4); 2.2570 (11.2); 2.1325 (0.4); 1.5894 (1.9); −0.0002 (3.8)
I-192: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 7.9952 (1.4); 7.6834 (0.7); 7.6424 (8.4); 7.5969 (0.4); 7.5661 (1.5); 7.5468 (5.4); 7.5295 (15.7); 7.4741 (6.6); 7.4527 (11.3); 7.4430 (8.0); 7.3769 (10.4); 7.3598 (6.8); 7.2599 (87.6); 6.9960 (0.4); 6.4446 (2.0); 6.4293 (3.5); 6.4151 (1.8); 4.6766 (0.3); 4.5385 (0.4); 4.5204 (0.8); 4.5034 (0.8); 4.4853 (0.4); 4.4086 (3.5); 4.3942 (6.8); 4.3773 (15.1); 4.3718 (9.0); 4.3598 (16.0); 4.3424 (5.4); 4.3344 (3.9); 4.3184 (3.4); 2.9510 (9.9); 2.8715 (9.2); 1.5439 (103.2); 1.5034 (0.6); 1.4686 (14.0); 1.4512 (27.8); 1.4337 (13.6); 1.4107 (1.8); 1.4021 (0.7); 1.3928 (0.9); 1.3726 (0.3); −0.0002 (25.5)
I-193: ^{1}H-NMR(300.2 MHz, CDCl3):
δ =8.1140 (5.0); 7.8807 (0.4); 7.8608 (0.7); 7.8413 (0.4); 7.6673 (2.1); 7.6641 (2.2); 7.6324 (1.1); 7.6131 (1.6); 7.5908 (0.8); 7.5144 (1.4); 7.4861 (3.3); 7.4493 (1.8); 7.4434 (1.7); 7.4321 (0.9); 7.4211 (0.8); 7.4150 (0.8); 7.4044 (1.2); 7.3781 (0.5); 7.2983 (9.8); 4.5083 (1.0); 4.4875 (1.0); 4.4611 (2.1); 4.4403 (2.1); 4.4139 (1.1); 4.3931 (1.0); 2.7584 (16.0); 1.5960 (4.6); 1.2273 (0.7); 0.0473 (0.4); 0.0364 (10.1); 0.0255 (0.3)
I-194: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 8.9942 (0.8); 8.9798 (1.6); 8.9651 (0.8); 7.7577 (3.4); 7.7373 (6.3); 7.6417 (1.0); 7.6220 (2.2); 7.6023 (1.4); 7.5314 (0.9); 7.5272 (0.9); 7.5103 (2.8); 7.5059 (3.4); 7.4902 (4.6); 7.4811 (1.6); 7.4693 (1.5); 7.4359 (2.6); 7.3976 (1.5); 7.3772 (1.3); 7.2304 (1.3); 7.0911 (2.7); 6.9519 (1.3); 6.0445 (0.5); 6.0322 (1.0); 6.0189 (0.6); 5.9288 (0.5); 5.9166 (1.0); 5.9036 (0.6); 3.8826 (0.8); 3.8705 (1.6); 3.8560 (1.0); 3.8298 (0.7); 3.8235 (0.7); 3.8143 (1.3); 3.7990 (0.8); 3.3116 (13.4); 2.8986 (1.1); 2.7397 (1.0); 2.6030 (16.0); 2.5131 (6.4); 2.5088 (8.6); 2.5046 (6.5)
I-195: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.0301 (1.2); 9.0097 (1.3); 7.9524 (0.7); 7.7712 (5.7); 7.7285 (0.6); 7.7090 (1.6); 7.6895 (1.3); 7.6518 (4.5); 7.6322 (1.1); 7.5730 (1.4); 7.5540 (1.0); 7.2498 (2.5); 7.1024 (1.2); 7.0990 (1.2); 7.0819 (1.3); 7.0786 (1.4); 6.6523 (2.8); 6.6318 (2.6); 5.0833 (0.8); 5.0646 (1.2); 5.0463 (0.8); 4.4758 (2.1); 4.4542 (4.0); 4.4321 (2.4); 3.3640 (21.8); 3.3531 (26.5); 3.3509 (26.3); 3.0677 (0.4); 3.0500 (0.8); 3.0290 (1.3); 3.0191 (0.8); 3.0074 (0.7); 2.9971 (1.4); 2.9756 (0.7); 2.9581 (0.4); 2.8906 (4.8); 2.7318 (4.2); 2.6011 (16.0); 2.5124 (6.9); 2.5080 (14.9); 2.5035 (20.2); 2.4990 (14.8); 2.4946 (7.3); 1.4113 (6.1); 1.3939 (6.0); 1.2406 (0.4)
I-196: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.1857 (5.0); 8.0635 (0.4); 8.0452 (0.6); 8.0286 (0.4); 7.6619 (1.2); 7.6412 (3.6); 7.6247 (0.5); 7.5846 (2.1); 7.5431 (1.6); 7.4791 (0.7); 7.4700 (1.2); 7.4627 (0.8); 7.4570 (0.5); 7.4485 (0.8); 7.4412 (0.5); 7.4248 (0.3); 7.3967 (2.7); 7.3908 (4.9); 7.3616 (0.3); 7.2990 (8.8); 6.1314 (0.5); 6.1208 (0.5); 6.1076 (0.5); 6.0970 (0.5); 5.9759 (0.5); 5.9652 (0.5); 5.9520 (0.5); 5.9415 (0.5); 3.8814 (0.4); 3.8746 (0.3); 3.8577 (0.4); 3.8270 (0.5); 3.8100 (0.5); 3.8042 (0.3); 3.1100 (1.1); 3.0847 (3.4); 3.0594 (3.4); 3.0341 (1.2); 1.6122 (16.0); 1.4356 (3.8); 1.4104 (8.0); 1.3850 (3.7); 1.2948 (1.4); 0.9396 (0.4); 0.9180 (1.3); 0.8948 (0.5); 0.1065 (2.1); 0.0361 (7.5)
I-197: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 7.3380 (2.8); 7.3312 (1.4); 7.3221 (3.1); 7.3153 (1.5); 7.2593 (5.9); 7.0583 (0.5); 7.0456 (0.8); 7.0283 (8.5); 7.0181 (3.6); 7.0141 (5.5); 7.0020 (0.5); 6.9984 (0.6); 6.9612 (2.0); 6.9450 (2.2); 6.9283 (1.0); 6.7605 (1.4); 6.7553 (1.3); 6.7518 (1.2); 6.7471 (2.1); 6.7415 (1.8); 6.7286 (1.0); 5.2199 (0.3);

TABLE 2-continued

5.2103 (1.1); 5.2006 (1.1); 5.1910 (0.4); 5.0635 (0.8); 5.0539 (2.6); 5.0443 (2.7); 5.0347 (0.9); 4.3597 (0.4); 4.3529 (0.4); 4.3451 (0.5); 4.3383 (0.5); 4.3157 (0.4); 4.3059 (0.8); 4.3001 (1.1); 4.2954 (1.1); 4.2906 (1.2); 4.2846 (0.9); 4.2751 (0.5); 4.1835 (0.8); 4.1772 (0.9); 4.1709 (1.3); 4.1660 (1.6); 4.1608 (1.3); 4.1532 (1.2); 4.1475 (1.9); 4.1432 (1.8); 4.1347 (1.7); 4.1304 (2.3); 4.1172 (1.6); 4.1045 (0.9); 4.1004 (1.2); 4.0866 (0.5); 3.9612 (1.5); 3.9441 (2.5); 3.9293 (1.8); 3.8371 (1.9); 3.8282 (1.9); 3.8198 (1.5); 3.8108 (1.4); 3.6290 (0.6); 3.6196 (1.0); 3.6126 (0.9); 3.6024 (1.0); 3.5955 (1.4); 3.5891 (1.7); 3.5760 (1.0); 3.5718 (0.9); 3.5584 (0.7); 3.5425 (0.4); 3.5335 (0.4); 3.5275 (0.4); 3.5177 (0.4); 3.4598 (0.7); 3.4492 (1.2); 3.4385 (0.8); 3.4335 (0.7); 3.4224 (0.9); 3.4119 (0.5); 2.4612 (11.8); 2.3337 (0.4); 2.2958 (16.0); 2.0864 (0.5); 2.0760 (1.0); 2.0692 (1.2); 2.0591 (2.1); 2.0489 (1.3); 2.0423 (1.2); 2.0318 (0.6); 1.9975 (1.6); 1.4670 (10.5); 1.4574 (10.6); 1.3989 (4.4); 1.3892 (4.5); 1.2558 (0.6); 1.0057 (1.2); 0.9959 (3.7); 0.9927 (3.9); 0.9790 (3.7); 0.9759 (3.7); 0.9668 (1.4); 0.7506 (1.5); 0.7406 (4.7); 0.7386 (4.8); 0.7311 (4.2); 0.7281 (5.0); 0.7184 (1.3); 0.0713 (0.5); −0.0002 (4.4)

I-198: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.1464 (2.8); 8.0247 (0.4); 7.4645 (0.5); 7.4376 (1.4); 7.4107 (1.1); 7.3760 (1.0); 7.3624 (0.8); 7.3588 (1.0); 7.3560 (1.0); 7.3522 (1.4); 7.3355 (0.4); 7.3318 (0.5); 7.3293 (0.5); 7.3259 (0.4); 7.3042 (8.5); 7.2586 (0.8); 7.2516 (1.4); 7.2448 (0.8); 7.1694 (0.7); 7.1660 (0.7); 7.1619 (0.6); 7.1586 (0.5); 7.1426 (0.6); 7.1391 (0.6); 7.1350 (0.5); 7.1316 (0.4); 7.0778 (1.2); 6.9963 (0.6); 6.9701 (0.6); 5.3433 (0.6); 4.3047 (0.6); 4.2850 (0.5); 4.2568 (1.2); 4.2371 (1.2); 4.2089 (0.6); 4.1892 (0.6); 2.7610 (8.6); 2.5167 (3.3); 2.5094 (1.8); 2.3368 (4.6); 2.0511 (0.6); 1.6083 (16.0); 1.3097 (1.4); 0.9469 (0.5); 0.9248 (1.5); 0.9018 (0.6); 0.0427 (7.3)

I-199: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 7.5287 (0.5); 7.5089 (2.5); 7.4947 (5.9); 7.4039 (3.5); 7.3904 (1.5); 7.3826 (1.8); 7.3771 (1.4); 7.3678 (1.3); 7.2766 (4.5); 7.2594 (19.0); 7.1458 (4.9); 7.1261 (3.6); 6.3003 (1.3); 6.2802 (1.3); 5.3549 (0.4); 5.3371 (1.2); 5.3187 (1.7); 5.3003 (1.2); 4.3656 (0.3); 4.3482 (1.0); 4.3427 (0.8); 4.3306 (1.2); 4.3252 (2.1); 4.3075 (2.3); 4.2885 (2.3); 4.2709 (2.1); 4.2655 (1.1); 4.2534 (0.8); 4.2479 (0.9); 2.9454 (0.9); 2.8652 (0.8); 2.3509 (0.8); 2.3265 (16.0); 2.2823 (0.8); 1.6098 (9.3); 1.5925 (9.2); 1.5483 (19.0); 1.5244 (0.5); 1.4948 (0.4); 1.4071 (0.4); 1.3890 (0.4); 1.3755 (5.7); 1.3580 (11.4); 1.3406 (5.5); −0.0002 (4.6)

I-200: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.1133 (5.2); 7.8800 (0.4); 7.8605 (0.7); 7.8416 (0.4); 7.6515 (0.6); 7.6436 (0.8); 7.6288 (1.1); 7.6259 (1.1); 7.6149 (1.4); 7.6050 (0.9); 7.5913 (1.0); 7.5847 (2.3); 7.5562 (2.4); 7.5111 (1.8); 7.5075 (1.8); 7.5047 (1.9); 7.4300 (0.8); 7.4021 (1.2); 7.3740 (0.5); 7.2985 (8.7); 7.2890 (1.3); 7.2674 (1.0); 7.2606 (1.0); 4.5113 (1.0); 4.4905 (1.0); 4.4641 (2.2); 4.4434 (2.1); 4.4170 (1.1); 4.3962 (1.0); 2.7572 (16.0); 1.6050 (1.3); 1.2272 (0.6); 0.0364 (8.4)

I-201: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.9353 (6.0); 8.9235 (0.4); 7.9265 (0.5); 7.9078 (0.8); 7.8901 (0.5); 7.6931 (0.4); 7.6671 (1.5); 7.6452 (4.3); 7.6294 (0.5); 7.5775 (2.6); 7.5754 (2.5); 7.5485 (2.0); 7.4883 (0.9); 7.4799 (1.4); 7.4726 (1.0); 7.4689 (0.8); 7.4584 (1.1); 7.4508 (0.6); 7.3874 (7.0); 7.2987 (5.1); 6.1291 (0.6); 6.1183 (0.7); 6.1054 (0.6); 6.0945 (0.6); 5.9736 (0.6); 5.9627 (0.7); 5.9498 (0.7); 5.9390 (0.6); 5.8366 (3.2); 4.3107 (0.4); 4.2997 (0.4); 4.2883 (0.4); 4.2774 (0.4); 4.2687 (0.3); 4.2199 (0.4); 4.2088 (0.4); 4.1975 (0.4); 4.1867 (0.3); 3.8980 (0.3); 3.8809 (0.4); 3.8742 (0.4); 3.8570 (0.5); 3.8494 (0.4); 3.8321 (0.5); 3.8275 (0.6); 3.8104 (0.6); 3.7872 (0.4); 3.7793 (0.3); 2.3237 (16.0); 2.0413 (0.5); 1.6246 (0.9); 0.0363 (4.5)

I-202: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.1748 (2.4); 9.1592 (5.2); 9.1439 (2.4); 7.9608 (1.5); 7.6801 (2.1); 7.6605 (5.8); 7.6409 (4.6); 7.6090 (6.2); 7.5896 (3.2); 7.5718 (0.4); 7.5529 (9.8); 7.5314 (13.2); 7.4184 (8.5); 7.4071 (16.0); 7.3860 (13.0); 5.8159 (7.7); 5.8019 (7.9); 4.6007 (3.0); 4.5834 (4.8); 4.5602 (4.2); 4.4935 (0.6); 4.4673 (2.6); 4.4533 (2.3); 4.4422 (1.3); 4.4251 (0.5); 4.1391 (5.8); 4.1299 (6.9); 4.1093 (7.9); 4.0944 (4.8); 4.0731 (2.4); 4.0575 (2.2); 3.3121 (159.6); 2.8990 (9.6); 2.7399 (8.7); 2.5135 (28.4); 2.5091 (39.0); 2.5048 (29.2)

I-203: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.1068 (1.2); 9.0922 (2.5); 9.0779 (1.2); 8.0613 (11.4); 7.9607 (0.4); 7.7585 (5.5); 7.6685 (1.4); 7.6488 (3.4); 7.6291 (2.3); 7.5368 (3.0); 7.5168 (2.6); 7.4915 (16.0); 7.4710 (0.8); 7.4480 (2.4); 7.4278 (2.0); 7.2430 (2.0); 7.1037 (4.2); 6.9646 (2.1); 6.0499 (0.9); 6.0370 (1.8); 6.0248 (0.9); 5.9347 (0.9); 5.9218 (1.9); 5.9093 (0.9); 3.8975 (1.5); 3.8835 (2.5); 3.8703 (1.4); 3.8394 (1.6); 3.8256 (2.6); 3.8121 (1.4); 3.3114 (23.7); 2.8986 (2.5); 2.7397 (2.3); 2.5130 (10.6); 2.5087 (14.2); 2.5045 (10.7)

I-204: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5549 (0.7); 7.5286 (1.7); 7.4982 (3.0); 7.4691 (4.0); 7.4407 (1.5); 7.4149 (1.0); 7.3903 (3.8); 7.3623 (2.2); 7.3124 (1.9); 7.2983 (3.7); 7.2866 (1.1); 7.2834 (1.2); 7.2800 (0.9); 7.2600 (0.8); 7.2567 (0.9); 7.2527 (0.8); 7.0731 (0.5); 7.0523 (1.1); 7.0313 (0.5); 6.8659 (1.1); 6.6782 (2.3); 6.4906 (1.2); 4.1864 (0.9); 4.1654 (0.8); 4.1389 (1.9); 4.1179 (1.8); 4.0914 (0.9); 4.0704 (0.9); 2.2769 (16.0); 1.6432 (4.2); 1.2921 (0.8); 0.9177 (0.4); 0.0358 (3.5)

I-205: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.0585 (1.3); 9.0381 (1.3); 7.7720 (6.1); 7.7301 (0.6); 7.7103 (1.7); 7.6910 (1.4); 7.6576 (3.6); 7.6358 (1.0); 7.5841 (1.4); 7.5646 (1.0); 7.1422 (2.5); 7.0959 (0.9); 7.0764 (1.7); 7.0728 (1.7); 7.0337 (2.6); 7.0141 (1.4); 5.0822 (0.8); 5.0637 (1.1); 5.0454 (0.8); 3.3628 (27.9); 3.3529 (39.6); 2.8905 (1.3); 2.7320 (1.1); 2.6016 (16.0); 2.5125 (7.2); 2.5081 (15.5); 2.5036 (21.0); 2.4990 (15.2); 2.4946 (7.4); 2.1451 (11.4); 2.0714 (11.9); 1.4126 (6.1); 1.3952 (6.1); −0.0002 (0.4)

I-206: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.1362 (1.4); 9.1161 (1.5); 7.8091 (6.7); 7.7325 (0.6); 7.7126 (1.9); 7.6929 (4.0); 7.6557 (2.0); 7.6361 (1.1); 7.6026 (1.5); 7.5846 (1.0); 7.5813 (1.0); 7.1784 (2.4); 7.1733 (2.9); 7.1338 (2.8); 7.1287 (2.3); 5.1990 (0.9); 5.1806 (1.3); 5.1619 (0.9); 4.5703 (1.4); 4.5606 (1.0); 4.5480 (2.4); 4.5391 (2.4); 4.5262 (1.2); 4.5171 (1.4); 3.3328 (44.4); 3.1839 (1.6); 3.1620 (3.0); 3.1403 (1.5); 2.8923 (0.4); 2.7335 (0.3); 2.6100 (16.0); 2.5121 (13.6); 2.5081 (25.7); 2.5036 (33.0); 2.4990 (24.3); 2.4947 (12.4); 1.3867 (6.3); 1.3692 (6.3); 1.2405 (0.6)

I-207: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 20.0124 (0.4); 10.0224 (0.4); 9.3809 (1.0); 9.3655 (2.3); 9.3488 (1.0); 9.0570 (0.4); 8.3155 (10.9); 8.1369 (0.6); 7.7526 (1.1); 7.7323 (2.9); 7.7130 (2.5); 7.6917 (3.5); 7.6698 (1.5); 7.6192 (0.5); 7.5873 (4.1); 7.5643 (2.4); 7.5447 (2.0); 7.3534 (3.0); 7.3336 (3.4); 7.3038 (1.1); 7.2871 (0.7); 7.1044 (4.2); 7.0546 (0.9); 6.9787 (0.4); 6.9608 (1.9); 6.9424 (1.8); 6.8147 (0.5); 6.7975 (0.4); 5.8126 (0.5); 5.7938 (1.1); 5.7760 (0.6); 4.6906 (0.5); 4.6189 (0.6); 4.5999 (1.3); 4.5812 (0.7); 4.1825 (0.9); 4.1680 (0.9);

TABLE 2-continued

4.1454 (1.9); 4.1300 (1.9); 4.1059 (1.1); 4.0909 (1.1); 3.9846 (2.2); 3.9732 (2.3); 3.9557 (2.6); 3.9448 (2.4); 3.8761 (0.4); 3.7812 (0.6); 3.7535 (0.6); 3.7345 (0.6); 3.5993 (0.4); 3.5345 (0.6); 3.5147 (1.0); 3.5077 (0.9); 3.4802 (1.0); 3.4613 (0.8); 3.3370 (3221.7); 3.3038 (12.7); 3.2515 (4.9); 3.2335 (0.9); 3.1956 (1.4); 3.1672 (0.9); 2.7913 (0.4); 2.7825 (0.4); 2.6807 (9.8); 2.6763 (13.3); 2.6717 (9.8); 2.5466 (17.0); 2.5294 (50.5); 2.5160 (868.8); 2.5118 (1671.2); 2.5073 (2151.6); 2.5027 (1564.0); 2.4984 (767.0); 2.4315 (11.8); 2.3385 (9.7); 2.3340 (13.1); 2.3296 (9.5); 2.2824 (1.7); 2.2723 (1.1); 2.2470 (16.0); 2.2247 (2.4); 2.2069 (4.7); 2.2015 (3.3); 2.0772 (15.9); 1.5880 (2.2); 1.5613 (2.0); 1.3970 (0.5); 1.3308 (0.4); 1.2386 (0.5); 0.0044 (1.7)

I-208: ^{1}H-NMR(400.0 MHz, CD3CN):
δ = 8.0396 (16.0); 7.6707 (0.8); 7.6510 (3.7); 7.6349 (10.5); 7.6184 (0.8); 7.5355 (1.1); 7.5162 (5.0); 7.4333 (0.3); 7.4195 (1.7); 7.4131 (3.3); 7.4078 (2.2); 7.4021 (1.3); 7.3970 (2.1); 7.3913 (1.4); 6.9561 (3.0); 6.9371 (4.7); 6.8766 (3.8); 6.8566 (9.0); 5.4461 (3.2); 4.4261 (0.4); 4.4182 (0.5); 4.4136 (0.6); 4.4061 (1.4); 4.3987 (1.2); 4.3944 (1.3); 4.3858 (2.0); 4.3772 (1.3); 4.3730 (1.3); 4.3655 (1.4); 4.3579 (0.5); 4.3534 (0.5); 4.3456 (0.4); 3.0961 (1.5); 3.0842 (1.5); 3.0557 (2.0); 3.0436 (1.9); 2.8693 (3.6); 2.8526 (7.0); 2.8359 (3.7); 2.7972 (2.0); 2.7776 (1.9); 2.7568 (1.5); 2.7375 (1.5); 2.4618 (0.3); 2.1843 (26.2); 2.1478 (48.9); 2.1188 (0.4); 2.1126 (0.6); 2.1064 (1.1); 2.1002 (0.8); 2.0952 (0.7); 2.0905 (1.0); 2.0878 (1.1); 2.0827 (1.1); 2.0800 (1.1); 2.0739 (1.3); 2.0716 (1.3); 2.0663 (1.3); 2.0638 (1.3); 2.0581 (1.6); 2.0555 (1.6); 2.0503 (1.6); 2.0478 (1.5); 2.0422 (0.8); 2.0345 (0.7); 1.9677 (1.5); 1.9633 (3.2); 1.9572 (8.3); 1.9514 (42.0); 1.9453 (73.3); 1.9391 (96.6); 1.9329 (67.7); 1.9267 (34.6); 1.9136 (1.5); 1.8970 (1.3); 1.8785 (0.5); 1.7737 (0.4); 1.7675 (0.6); 1.7614 (0.4); 1.2849 (0.3); 1.2699 (0.7); 1.0834 (0.5); 0.8808 (0.5); 0.1461 (0.4); 0.0078 (4.2); −0.0003 (98.5); −0.0085 (3.8); −0.1496 (0.4)

I-209: ^{1}H-NMR(400.1 MHz, CDCl3):
δ =8.2518 (9.6); 8.0159 (0.4); 7.7993 (1.4); 7.4301 (1.2); 7.4260 (1.3); 7.4094 (2.4); 7.3947 (1.4); 7.3898 (1.4); 7.3364 (3.5); 7.3165 (3.8); 7.2594 (30.5); 7.2502 (3.2); 7.2460 (2.2); 7.2348 (2.3); 7.2297 (2.0); 7.2203 (2.7); 7.1994 (2.6); 7.1788 (1.0); 7.0305 (4.1); 6.9455 (2.2); 6.9253 (2.0); 4.2523 (1.8); 4.2373 (1.8); 4.2166 (3.7); 4.2018 (3.5); 4.1810 (1.9); 4.1660 (1.8); 2.9547 (3.0); 2.8824 (2.8); 2.4716 (11.5); 2.2759 (16.0); 2.1577 (0.4); 1.5436 (25.3); −0.0002 (1.5)

I-210: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 8.6587 (2.9); 7.7285 (0.6); 7.7088 (1.8); 7.6891 (1.6); 7.6634 (2.0); 7.6462 (6.6); 7.5367 (2.5); 7.5110 (1.4); 7.4913 (1.1); 7.1231 (3.5); 7.1034 (4.2); 6.8923 (3.8); 6.8730 (3.2); 3.3269 (19.8); 2.8901 (0.9); 2.8626 (6.3); 2.7310 (0.8); 2.5640 (16.0); 2.5061 (18.6); 2.5017 (24.6); 2.4974 (18.0); 2.1415 (12.4); 1.2402 (0.6); 0.8456 (1.0); 0.8278 (3.4); 0.8168 (1.5); 0.7324 (1.4); 0.7213 (3.3); 0.7039 (0.9); −0.0002 (3.4)

I-211: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.1988 (1.6); 9.1836 (3.5); 9.1680 (1.8); 7.9613 (2.4); 7.6843 (1.5); 7.6647 (4.0); 7.6448 (3.2); 7.6119 (4.2); 7.5924 (2.3); 7.5658 (6.6); 7.5444 (9.2); 7.4433 (5.5); 7.4293 (9.7); 7.4079 (8.1); 7.1077 (0.9); 7.0950 (2.6); 7.0821 (2.7); 7.0704 (1.0); 4.1666 (1.4); 4.1513 (1.5); 4.1306 (3.1); 4.1152 (3.0); 4.0941 (1.7); 4.0787 (1.6); 3.3121 (107.0); 2.8991 (16.0); 2.8008 (14.2); 2.7879 (14.5); 2.7402 (14.4); 2.5136 (18.7); 2.5092 (25.8); 2.5048 (19.5)

I-212: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.1084 (1.7); 9.0940 (3.4); 9.0793 (1.7); 8.0638 (16.0); 7.9607 (2.4); 7.6669 (2.0); 7.6464 (9.8); 7.6275 (3.3); 7.5716 (5.5); 7.5506 (7.0); 7.5358 (4.2); 7.5166 (3.0); 7.4845 (5.7); 7.4479 (3.3); 7.4277 (2.8); 7.3831 (4.1); 7.3781 (4.0); 7.3622 (3.3); 7.3572 (3.3); 7.2414 (2.8); 7.1021 (5.9); 6.9629 (2.9); 6.0650 (1.2); 6.0522 (2.4); 6.0398 (1.2); 5.9494 (1.2); 5.9370 (2.5); 5.9244 (1.2); 3.9017 (2.2); 3.8879 (3.7); 3.8743 (2.1); 3.8438 (2.3); 3.8298 (3.8); 3.8163 (2.1); 3.3117 (32.2); 2.8985 (14.8); 2.7396 (13.4); 2.5130 (13.5); 2.5087 (18.0); 2.5045 (13.5)

I-213: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.1937 (1.2); 9.1739 (1.2); 7.8043 (6.3); 7.7302 (0.6); 7.7104 (1.7); 7.6908 (1.4); 7.6631 (2.4); 7.6584 (2.8); 7.6346 (1.0); 7.5874 (1.4); 7.5682 (1.0); 7.4711 (2.7); 7.3716 (0.9); 7.3682 (0.6); 7.3562 (1.3); 7.3527 (2.2); 7.3377 (1.6); 7.3186 (3.0); 7.2999 (1.5); 7.2857 (1.4); 7.2813 (2.2); 7.2768 (1.3); 7.2665 (0.7); 7.2620 (1.0); 7.2577 (0.6); 5.1618 (0.8); 5.1434 (1.2); 5.1250 (0.8); 3.3663 (18.7); 3.3568 (28.2); 2.8914 (1.2); 2.7330 (1.0); 2.6102 (16.0); 2.5141 (5.5); 2.5097 (11.5); 2.5051 (15.4); 2.5006 (11.0); 2.4962 (5.3); 1.4448 (6.3); 1.4272 (6.3); −0.0002 (0.3)

I-214: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.0162 (0.7); 9.0069 (0.8); 8.9961 (0.8); 8.9867 (0.8); 7.9526 (0.6); 7.7674 (6.6); 7.7264 (0.6); 7.7077 (1.5); 7.6864 (1.2); 7.6475 (4.3); 7.6286 (1.0); 7.5706 (1.4); 7.5528 (0.9); 7.2086 (2.3); 7.0893 (1.1); 7.0688 (1.2); 6.6117 (1.6); 6.6085 (1.7); 6.5913 (1.5); 6.5881 (1.6); 5.0780 (0.5); 5.0721 (0.5); 5.0558 (0.7); 5.0405 (0.5); 5.0349 (0.5); 4.8611 (0.4); 4.8448 (0.7); 4.8420 (0.8); 4.8263 (0.8); 4.8235 (0.7); 4.8072 (0.5); 3.3319 (26.9); 3.1977 (0.4); 3.1760 (0.4); 3.1575 (0.8); 3.1351 (0.7); 3.1164 (0.5); 3.0946 (0.4); 2.8918 (4.8); 2.7334 (4.0); 2.6671 (0.6); 2.6478 (0.5); 2.6275 (0.4); 2.6008 (16.0); 2.5825 (0.6); 2.5635 (0.5); 2.5430 (0.5); 2.5254 (0.8); 2.5210 (0.9); 2.5121 (10.2); 2.5076 (20.9); 2.5030 (27.4); 2.4984 (19.5); 2.4939 (9.3); 1.4096 (3.9); 1.4069 (4.0); 1.3923 (3.9); 1.3895 (3.9); 1.3322 (4.2); 1.3166 (4.7); 1.3127 (4.8); 1.2970 (4.3); 1.2408 (0.5)

I-215: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.3531 (2.4); 7.3460 (2.5); 7.2986 (8.2); 7.2264 (2.0); 7.1991 (2.5); 7.1525 (0.5); 7.1260 (1.4); 7.0992 (2.9); 7.0908 (1.4); 7.0758 (1.0); 7.0699 (1.2); 7.0490 (0.5); 7.0428 (0.4); 7.0020 (1.6); 6.9949 (1.5); 6.9746 (1.2); 6.9676 (1.2); 6.8696 (0.6); 6.8616 (0.6); 6.8466 (1.2); 6.8399 (1.0); 6.8216 (0.6); 6.8157 (0.5); 6.2262 (0.4); 6.2082 (0.7); 6.1896 (0.4); 5.3369 (1.1); 3.8782 (1.0); 3.8569 (2.5); 3.8352 (2.5); 3.8137 (1.1); 3.1285 (1.8); 3.1064 (3.2); 3.0845 (1.6); 2.4593 (16.0); 2.3015 (0.3); 2.1128 (0.4); 2.1013 (0.5); 2.0845 (0.9); 2.0674 (0.5); 2.0561 (0.5); 1.5942 (6.3); 1.0801 (0.6); 1.0647 (1.7); 1.0580 (1.9); 1.0432 (1.1); 1.0361 (1.9); 1.0296 (1.7); 1.0150 (0.9); 0.8220 (0.8); 0.8069 (2.1); 0.8010 (2.0); 0.7900 (1.9); 0.7844 (2.2); 0.7680 (0.7); 0.1076 (0.6); 0.0377 (7.1); 0.0268 (0.4)

I-216: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.4207 (8.4); 8.1695 (8.3); 7.6569 (0.3); 7.6306 (2.5); 7.6247 (2.2); 7.6200 (2.2); 7.6127 (6.3); 7.6093 (6.6); 7.5940 (0.5); 7.5196 (2.9); 7.5018 (0.5); 7.4948 (0.3); 7.4871 (1.3); 7.4751 (1.8); 7.4684 (1.5); 7.4569 (1.2); 7.4488 (0.7); 7.3284 (2.9); 7.2986 (23.0); 7.0485 (3.2); 6.9494 (1.8); 6.9235 (1.5); 6.6805 (0.8); 6.6604 (1.6); 6.6398 (0.8); 4.4252 (2.2); 4.4014 (7.2); 4.3777 (7.3); 4.3539 (2.3); 4.1493 (1.5); 4.1287 (1.5); 4.1009 (3.2); 4.0803 (3.1); 4.0524 (1.6); 4.0318 (1.6); 2.4588 (9.6); 2.4517 (5.4); 2.2979 (12.8); 1.6027 (14.4); 1.4393 (7.5); 1.4156 (16.0); 1.3918 (7.3); 1.2944 (0.5); 0.1083 (2.0); 0.0492 (0.8); 0.0383 (23.7); 0.0273 (0.8)

TABLE 2-continued

I-217: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.2469 (0.7); 9.2319 (1.5); 9.2168 (0.7); 8.3167 (3.7); 7.7176 (0.8); 7.6981 (2.0); 7.6788 (1.5); 7.6445 (1.9); 7.6252 (1.0); 7.5400 (2.5); 7.5093 (1.4); 7.4894 (1.1); 7.3263 (2.3); 7.3061 (2.6); 7.0976 (2.7); 6.9748 (1.4); 6.9545 (1.2); 5.7954 (0.5); 4.6189 (0.3); 4.6002 (0.6); 4.1447 (0.8); 4.1304 (0.7); 4.1080 (1.6); 4.0921 (1.5); 4.0700 (0.8); 4.0545 (0.8); 3.8685 (0.3); 3.4049 (0.7); 3.3351 (765.0); 3.2773 (0.9); 3.2655 (0.7); 2.9207 (1.2); 2.9020 (3.9); 2.8832 (4.0); 2.8647 (1.3); 2.6809 (3.2); 2.6764 (4.3); 2.6718 (3.1); 2.6674 (1.5); 2.5466 (2.3); 2.5298 (14.1); 2.5250 (22.0); 2.5164 (265.4); 2.5120 (532.8); 2.5074 (697.8); 2.5028 (506.6); 2.4984 (246.3); 2.4362 (7.7); 2.4090 (0.4); 2.3433 (1.4); 2.3388 (3.1); 2.3342 (4.3); 2.3296 (3.0); 2.2495 (10.2); 2.1460 (16.0); 2.0778 (4.0); 1.2576 (4.8); 1.2390 (10.7); 1.2204 (4.7); 0.0045 (0.9)

I-218: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 8.0987 (5.1); 7.9717 (0.9); 7.4054 (1.1); 7.3892 (2.7); 7.3729 (1.8); 7.3259 (2.1); 7.3099 (3.6); 7.2939 (1.1); 7.2922 (1.2); 7.2906 (1.2); 7.2597 (13.7); 7.2113 (1.6); 7.2073 (2.7); 7.2032 (1.6); 7.1172 (1.3); 7.1156 (1.3); 7.1128 (1.3); 7.1009 (1.2); 7.0993 (1.2); 7.0965 (1.2); 7.0324 (2.5); 6.9465 (1.3); 6.9307 (1.3); 5.2977 (0.9); 4.2380 (1.0); 4.2262 (1.0); 4.2092 (2.2); 4.1974 (2.2); 4.1805 (1.1); 4.1687 (1.1); 2.7164 (16.0); 2.4721 (7.0); 2.2922 (10.0); 2.0035 (1.1); 1.5548 (25.3); 1.3027 (0.6); 1.2890 (0.8); 1.2657 (2.3); 1.2549 (1.7); 0.8957 (1.4); 0.8821 (3.2); 0.8679 (1.6); 0.0060 (0.5); −0.0002 (11.6)

I-219: ^{1}H-NMR(400.1 MHz, CDCl3):
δ =8.1051 (5.3); 8.0178 (0.4); 7.8329 (0.8); 7.5984 (0.7); 7.5791 (1.6); 7.5590 (1.5); 7.5401 (0.9); 7.3709 (0.9); 7.3465 (2.7); 7.3261 (2.5); 7.2597 (26.0); 7.0239 (2.3); 6.9423 (1.2); 6.9217 (1.1); 4.2635 (1.0); 4.2486 (1.0); 4.2278 (2.2); 4.2129 (2.1); 4.1920 (1.1); 4.1771 (1.0); 2.9552 (2.8); 2.8829 (2.6); 2.7209 (16.0); 2.4775 (6.5); 2.2935 (0.4); 2.2578 (9.0); 1.5471 (15.3); −0.0002 (1.4)

I-220: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.6328 (11.8); 7.9198 (0.8); 7.9038 (1.4); 7.8858 (0.8); 7.7332 (6.6); 7.7161 (5.2); 7.6876 (0.4); 7.5464 (3.4); 7.5231 (0.3); 7.5107 (1.5); 7.5022 (1.5); 7.4920 (2.0); 7.4856 (1.6); 7.4804 (1.2); 7.4721 (0.9); 7.3793 (3.5); 7.3527 (4.0); 7.3040 (14.5); 7.0919 (3.9); 7.0049 (2.2); 6.9782 (1.9); 5.3433 (0.4); 4.3273 (1.9); 4.3075 (1.8); 4.2791 (4.0); 4.2593 (3.9); 4.2308 (2.0); 4.2111 (2.0); 2.5174 (11.7); 2.5102 (6.4); 2.3309 (16.0); 2.0884 (0.3); 1.5993 (13.9); 1.3327 (0.4); 1.3025 (0.4); 1.2884 (0.4); 0.1138 (0.4); 0.0539 (0.5); 0.0431 (13.4); 0.0322 (0.4)

I-221: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 7.9850 (0.6); 7.5515 (0.5); 7.5318 (2.3); 7.5166 (5.5); 7.4147 (2.8); 7.3663 (1.1); 7.3594 (1.7); 7.3538 (1.3); 7.3435 (1.2); 7.3379 (0.7); 7.2595 (13.1); 7.0273 (2.3); 7.0082 (3.0); 6.9624 (3.2); 6.8731 (1.8); 6.8545 (1.4); 6.1053 (0.7); 6.0918 (1.2); 6.0785 (0.7); 4.3658 (1.7); 4.3483 (5.4); 4.3308 (5.4); 4.3134 (1.7); 3.7641 (1.4); 3.7472 (3.6); 3.7317 (3.6); 3.7150 (1.5); 2.9474 (4.4); 2.9334 (2.5); 2.9163 (4.6); 2.8992 (2.2); 2.8684 (3.9); 2.3341 (0.7); 2.2880 (16.0); 2.2549 (14.6); 2.1909 (0.6); 1.5508 (13.8); 1.4420 (5.6); 1.4245 (11.1); 1.4070 (5.6); 1.3891 (0.5); −0.0002 (3.8)

I-222: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.5662 (8.2); 8.0482 (0.6); 8.0301 (1.1); 8.0117 (0.6); 7.6932 (0.3); 7.6668 (2.1); 7.6583 (1.8); 7.6478 (5.7); 7.6446 (4.8); 7.6326 (0.4); 7.5269 (2.7); 7.5012 (1.1); 7.4900 (1.5); 7.4829 (1.3); 7.4706 (1.1); 7.4629 (0.6); 7.3886 (2.5); 7.3621 (2.9); 7.3040 (11.0); 7.0814 (2.8); 6.9939 (1.6); 6.9667 (1.4); 5.9433 (4.3); 5.5523 (2.9); 5.5494 (2.9); 4.3318 (1.4); 4.3120 (1.3); 4.2836 (2.9); 4.2638 (2.8); 4.2355 (1.4); 4.2158 (1.4); 2.5292 (8.5); 2.5220 (4.7); 2.3340 (12.4); 2.3218 (12.3); 1.6060 (16.0); 0.0535 (0.4); 0.0427 (10.1); 0.0319 (0.4)

I-223: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.1613 (5.1); 7.9345 (0.6); 7.9155 (0.4); 7.6444 (0.6); 7.6209 (1.0); 7.6154 (1.1); 7.5859 (1.2); 7.5627 (0.7); 7.4189 (0.8); 7.3929 (1.3); 7.3652 (22.9); 7.2989 (15.1); 5.8332 (0.5); 5.8219 (0.6); 5.8077 (0.6); 5.7964 (0.6); 5.6743 (0.6); 5.6631 (0.6); 5.6489 (0.6); 5.6376 (0.6); 4.2184 (0.4); 4.2072 (0.4); 4.1959 (0.3); 4.1845 (0.4); 4.1264 (0.4); 4.1150 (0.4); 4.1039 (0.4); 4.0926 (0.4); 3.8866 (0.3); 3.8700 (0.4); 3.8613 (0.4); 3.8444 (0.4); 3.8224 (0.6); 3.8125 (0.4); 3.8060 (0.4); 3.7967 (0.5); 3.7804 (0.4); 3.2529 (0.3); 2.8413 (1.2); 2.7754 (16.0); 1.5936 (9.7); 1.2283 (1.1); 0.0482 (0.6); 0.0374 (15.0); 0.0266 (0.5)

I-224: ^{1}H-NMR(600.4 MHz, d_6-DMSO):
δ = 8.0623 (2.4); 7.7214 (0.5); 7.7081 (1.3); 7.7034 (4.4); 7.6950 (0.9); 7.6520 (1.0); 7.6390 (0.7); 7.5731 (1.4); 7.5445 (0.8); 7.5311 (0.7); 7.5278 (0.7); 7.5075 (0.4); 7.4932 (0.6); 7.4380 (0.7); 7.4239 (0.4); 7.2309 (2.1); 7.2279 (0.8); 7.2200 (1.0); 7.2169 (3.4); 7.2130 (0.5); 7.1733 (0.5); 7.1693 (3.8); 7.1660 (1.0); 7.1584 (0.8); 7.1553 (2.4); 5.7520 (0.4); 5.3952 (1.0); 3.3051 (90.1); 3.0744 (4.4); 2.6449 (2.1); 2.6150 (0.6); 2.6120 (0.9); 2.6089 (0.7); 2.5998 (11.4); 2.5210 (2.1); 2.5180 (2.5); 2.5148 (2.6); 2.5061 (49.0); 2.5031 (102.1); 2.5000 (137.6); 2.4970 (100.3); 2.4940 (47.4); 2.3870 (0.6); 2.3840 (0.8); 2.3809 (0.6); 1.2951 (16.0); −0.0002 (0.9)

I-225: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.2467 (1.2); 9.2313 (2.6); 9.2156 (1.2); 7.9610 (2.4); 7.6902 (1.0); 7.6705 (2.9); 7.6508 (2.3); 7.6194 (3.0); 7.6000 (1.6); 7.5598 (4.9); 7.5384 (6.5); 7.4489 (3.9); 7.4288 (2.3); 7.4103 (8.0); 7.3893 (5.0); 6.4397 (1.2); 6.4261 (2.5); 6.4123 (1.2); 4.9757 (1.9); 4.9625 (4.3); 4.9493 (2.0); 4.1602 (1.0); 4.1442 (1.0); 4.1237 (2.2); 4.1083 (2.1); 4.0872 (1.2); 4.0719 (1.1); 3.5857 (1.5); 3.5719 (4.4); 3.5583 (4.6); 3.5447 (1.8); 3.3123 (86.8); 3.2727 (1.8); 3.2590 (4.4); 3.2450 (4.2); 3.2310 (1.4); 2.8989 (16.0); 2.7398 (14.3); 2.5133 (14.5); 2.5090 (19.8); 2.5046 (14.5)

I-226: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.0798 (1.9); 9.0643 (4.0); 9.0488 (2.0); 7.9607 (0.4); 7.6861 (16.0); 7.6427 (2.3); 7.6229 (5.5); 7.6022 (10.9); 7.5807 (12.1); 7.5060 (15.6); 7.4847 (11.3); 7.4233 (6.5); 7.3787 (3.8); 7.3584 (3.1); 7.2332 (3.2); 7.0938 (6.8); 6.9545 (3.4); 4.1323 (2.0); 4.1166 (2.2); 4.0972 (4.5); 4.0816 (4.4); 4.0622 (2.4); 4.0465 (2.2); 3.3141 (87.3); 2.8984 (2.4); 2.7397 (2.2); 2.5966 (40.8); 2.5130 (16.2); 2.5088 (21.5); 2.5045 (16.0)

I-227: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ =9.2166 (1.2); 9.1971 (1.3); 7.9550 (0.6); 7.8076 (6.4); 7.7326 (0.6); 7.7130 (1.5); 7.6921 (1.3); 7.6547 (7.1); 7.6499 (4.4); 7.6385 (1.1); 7.5824 (1.4); 7.5620 (3.9); 7.5412 (3.9); 7.4065 (1.7); 7.4015 (1.7); 7.3855 (1.3); 7.3804 (1.3); 5.1534 (0.8); 5.1353 (1.2); 5.1171 (0.8); 3.3835 (25.7); 3.3787 (39.2); 3.3743 (46.6); 2.8936 (4.0); 2.7348 (3.5); 2.6115 (16.0); 2.5171 (5.4); 2.5126 (11.6); 2.5081 (15.7); 2.5035 (11.4); 2.4990 (5.5); 1.4416 (6.1); 1.4241 (6.0)

TABLE 2-continued

I-228: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.4710 (16.0); 8.4403 (6.2); 8.1265 (1.0); 8.1086 (1.7); 8.0879 (1.1); 7.7601 (5.6); 7.7205 (3.5); 7.7012 (9.4); 7.6979 (8.6); 7.6854 (1.4); 7.6446 (0.3); 7.6042 (5.7); 7.6003 (4.0); 7.5776 (4.2); 7.5369 (0.6); 7.5304 (0.5); 7.5208 (1.8); 7.5105 (2.8); 7.5033 (2.4); 7.4901 (2.4); 7.4820 (1.9); 7.4754 (0.8); 7.4449 (1.2); 7.4395 (1.0); 7.4170 (6.3); 7.4115 (6.8); 7.4045 (9.0); 7.3769 (1.7); 7.3064 (6.2); 7.2988 (34.3); 7.2250 (0.4); 7.2185 (0.3); 7.1644 (0.5); 6.1562 (1.1); 6.1458 (1.3); 6.1323 (1.3); 6.1219 (1.2); 6.0008 (1.1); 5.9904 (1.2); 5.9770 (1.3); 5.9665 (1.2); 4.4019 (0.6); 4.3914 (0.6); 4.3793 (0.6); 4.3688 (0.6); 4.3531 (0.7); 4.3427 (0.8); 4.3305 (0.7); 4.3201 (0.8); 4.3110 (0.7); 4.3006 (0.6); 4.2885 (0.7); 4.2780 (0.6); 4.2622 (0.8); 4.2514 (0.7); 4.2397 (0.8); 4.2291 (0.7); 4.1690 (0.9); 4.1452 (0.9); 4.1216 (0.3); 3.9374 (0.7); 3.9202 (0.8); 3.9133 (0.8); 3.9057 (0.5); 3.8962 (0.9); 3.8882 (0.9); 3.8668 (1.2); 3.8494 (1.2); 3.8435 (0.9); 3.8261 (0.8); 3.8184 (0.8); 3.8015 (0.6); 3.7945 (0.7); 3.7775 (0.6); 3.1384 (0.6); 2.0818 (4.4); 1.7188 (3.6); 1.4488 (0.8); 1.3192 (1.2); 1.2954 (2.6); 1.2716 (1.2); 1.1420 (2.4); 1.0728 (0.4); 1.0489 (0.5); 1.0251 (0.5); 0.1058 (7.2); 0.0462 (0.9); 0.0354 (32.5); 0.0245 (1.4)

I-229: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ =9.0213 (1.4); 9.0010 (1.4); 7.9521 (0.7); 7.7693 (6.5); 7.7265 (0.6); 7.7065 (1.7); 7.6875 (1.4); 7.6483 (4.3); 7.6284 (1.1); 7.5717 (1.4); 7.5526 (1.0); 7.2486 (2.6); 7.1010 (1.3); 7.0976 (1.2); 7.0806 (1.4); 7.0770 (1.4); 6.6504 (2.9); 6.6299 (2.7); 5.0833 (0.9); 5.0647 (1.2); 5.0464 (0.9); 4.4758 (2.2); 4.4543 (4.2); 4.4322 (2.5); 3.3304 (27.6); 3.0683 (0.4); 3.0509 (0.8); 3.0298 (1.4); 3.0204 (0.8); 3.0081 (0.7); 2.9983 (1.4); 2.9769 (0.8); 2.9594 (0.4); 2.8911 (5.0); 2.7325 (4.5); 2.6010 (16.0); 2.5247 (0.5); 2.5112 (10.1); 2.5070 (20.6); 2.5025 (27.3); 2.4980 (20.0); 2.4936 (10.0); 1.4115 (6.2); 1.3941 (6.2); 1.2404 (0.5)

I-230: ^{1}H-NMR(300.2 MHz, CDCl3):
δ =7.9168 (5.5); 7.9080 (5.5); 7.6276 (0.6); 7.6013 (3.3); 7.5938 (2.9); 7.5827 (8.1); 7.5793 (7.5); 7.5685 (0.8); 7.5635 (0.7); 7.4799 (3.7); 7.4630 (0.6); 7.4482 (1.7); 7.4365 (2.3); 7.4297 (2.0); 7.4175 (1.6); 7.4095 (0.9); 7.3414 (3.6); 7.3148 (4.2); 7.2983 (24.6); 7.0391 (4.1); 6.9219 (2.2); 6.8954 (1.9); 6.6557 (1.0); 6.6365 (1.9); 6.6171 (1.0); 6.3145 (6.2); 6.3056 (6.0); 4.1691 (1.9); 4.1486 (1.9); 4.1207 (4.1); 4.1002 (3.9); 4.0723 (2.1); 4.0519 (2.0); 2.4787 (12.0); 2.4718 (6.7); 2.4503 (0.6); 2.3451 (0.4); 2.2732 (16.0); 2.0655 (0.6); 2.0490 (1.1); 2.0375 (1.3); 2.0211 (2.3); 2.0046 (1.3); 1.9932 (1.3); 1.9767 (0.6); 1.6070 (8.7); 1.2944 (1.1); 1.0778 (1.5); 1.0631 (3.6); 1.0549 (4.2); 1.0412 (2.5); 1.0347 (3.8); 1.0266 (3.6); 1.0134 (1.9); 0.9915 (0.4); 0.9639 (0.3); 0.9246 (0.4); 0.9076 (0.4); 0.8750 (2.1); 0.8613 (4.6); 0.8538 (4.2); 0.8452 (4.2); 0.8381 (4.6); 0.8220 (1.4); 0.1084 (2.4); 0.0493 (1.2); 0.0385 (26.0); 0.0276 (1.1)

I-231: ^{1}H-NMR(499.9 MHz, d_6-DMSO):
δ = 8.7846 (1.1); 8.7735 (1.9); 8.7623 (0.9); 8.0888 (5.9); 7.7555 (1.0); 7.7392 (2.4); 7.7234 (2.1); 7.6995 (3.1); 7.6856 (4.8); 7.6123 (2.0); 7.5959 (1.5); 7.0474 (2.7); 7.0321 (2.9); 6.9118 (3.7); 6.7791 (2.1); 6.7639 (1.8); 3.5016 (1.6); 3.4883 (3.1); 3.4750 (3.0); 3.4612 (1.2); 3.3319 (3.8); 2.8178 (2.6); 2.8033 (4.2); 2.7888 (2.1); 2.5046 (1.1); 2.2585 (16.0); 2.2399 (0.5); 2.2219 (0.4); 2.2159 (0.4); 2.1646 (14.6); −0.0002 (0.4)

I-232: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.2795 (12.7); 8.1473 (1.4); 8.1280 (0.8); 7.3788 (3.5); 7.3523 (4.0); 7.3015 (25.6); 7.2705 (5.2); 7.2437 (2.9); 7.0803 (3.8); 7.0117 (2.2); 6.9856 (1.8); 6.6921 (2.0); 6.6896 (2.2); 6.6851 (2.3); 6.6826 (2.2); 6.6653 (1.8); 6.6626 (1.9); 6.6583 (2.2); 6.6556 (2.0); 6.6170 (1.9); 6.6145 (1.9); 6.6095 (2.6); 6.5904 (1.4); 6.5876 (1.5); 6.5829 (2.8); 6.5804 (2.4); 6.5698 (3.7); 6.5628 (5.2); 6.5555 (2.2); 5.3413 (3.9); 4.2815 (2.0); 4.2615 (1.9); 4.2332 (4.2); 4.2132 (4.0); 4.1986 (0.4); 4.1848 (2.1); 4.1744 (0.7); 4.1649 (2.1); 4.1506 (0.5); 3.8640 (5.5); 2.5202 (6.4); 2.5135 (11.7); 2.5061 (6.4); 2.3439 (16.0); 2.2704 (0.5); 2.0875 (2.1); 1.5984 (12.0); 1.3478 (0.5); 1.3244 (1.2); 1.3007 (3.1); 1.2769 (0.8); 0.9440 (0.8); 0.9224 (2.4); 0.8992 (0.9); 0.1104 (1.3); 0.0512 (0.9); 0.0404 (26.0); 0.0295 (0.9)

I-233: ^{1}H-NMR(499.9 MHz, d_6-DMSO):
δ = 9.0602 (1.1); 9.0487 (2.1); 9.0370 (1.2); 7.8022 (6.2); 7.7844 (1.2); 7.7691 (2.1); 7.7535 (2.2); 7.7311 (4.6); 7.5479 (1.3); 7.5321 (3.2); 7.5159 (4.1); 7.5133 (4.1); 7.5002 (4.8); 7.4835 (1.8); 6.0570 (0.7); 6.0484 (1.0); 6.0457 (1.0); 6.0370 (0.8); 5.9646 (0.7); 5.9561 (1.0); 5.9532 (1.0); 5.9446 (0.8); 3.9395 (0.4); 3.9235 (0.6); 3.9105 (1.0); 3.8966 (0.8); 3.8796 (1.0); 3.8716 (1.1); 3.8666 (1.3); 3.8542 (0.9); 3.8440 (0.6); 3.8357 (0.8); 3.8258 (0.9); 3.8170 (0.6); 3.8076 (0.4); 3.7975 (0.4); 3.3441 (3.6); 2.6060 (16.0); 2.5683 (0.4); 2.5057 (0.8)

I-234: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.2779 (0.8); 9.2627 (1.8); 9.2473 (0.9); 7.9612 (2.4); 7.6866 (0.8); 7.6669 (2.1); 7.6472 (1.7); 7.6128 (2.2); 7.5931 (1.2); 7.4750 (2.9); 7.4560 (1.8); 7.4359 (1.4); 7.2934 (2.4); 7.2734 (2.7); 7.0648 (3.0); 6.8913 (1.6); 6.8714 (1.5); 6.4239 (0.9); 6.4103 (1.8); 6.3967 (1.0); 4.9665 (1.3); 4.9533 (3.1); 4.9402 (1.4); 4.1108 (0.7); 4.0956 (0.8); 4.0729 (1.6); 4.0575 (1.6); 4.0347 (0.9); 4.0193 (0.8); 3.5863 (1.0); 3.5726 (3.1); 3.5591 (3.4); 3.5456 (1.4); 3.3121 (63.4); 3.2970 (2.4); 3.2828 (3.8); 3.2689 (3.4); 3.2552 (1.4); 2.8991 (16.0); 2.7402 (14.1); 2.5135 (11.0); 2.5091 (15.1); 2.5047 (11.4); 2.4005 (7.8); 2.2240 (10.8)

I-235: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ =9.0150 (3.2); 8.7090 (6.5); 8.7037 (6.6); 7.9720 (3.7); 7.9660 (3.7); 7.9509 (4.4); 7.9449 (4.4); 7.7240 (16.0); 7.7164 (8.1); 7.6950 (6.3); 7.6284 (2.2); 7.6088 (5.3); 7.5890 (3.5); 7.4936 (4.5); 7.4744 (3.4); 7.3944 (6.4); 7.3560 (3.6); 7.3359 (3.1); 7.2243 (3.1); 7.0849 (6.7); 6.9456 (3.3); 4.2523 (1.8); 4.2195 (3.6); 4.1841 (1.9); 3.3121 (26.6); 2.8986 (0.4); 2.7395 (0.4); 2.5962 (39.8); 2.5130 (13.2); 2.5087 (17.5); 2.5045 (13.1)

I-236: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.2383 (1.5); 9.2182 (1.5); 7.9532 (0.5); 7.8164 (7.9); 7.7483 (2.1); 7.7356 (0.9); 7.7269 (2.6); 7.7161 (2.0); 7.6954 (4.0); 7.6698 (2.1); 7.6503 (1.0); 7.6261 (2.8); 7.6007 (1.5); 7.5713 (2.1); 7.5501 (2.2); 7.5248 (1.6); 7.5209 (1.8); 7.5036 (1.4); 7.4995 (1.5); 7.2886 (1.6); 7.2852 (1.7); 7.2677 (1.4); 7.2641 (1.5); 5.3080 (0.8); 5.2897 (1.2); 5.2712 (0.8); 3.3698 (36.6); 3.3631 (56.7); 3.3598 (62.3); 2.8901 (2.9); 2.7320 (2.6); 2.6126 (16.0); 2.5268 (0.4); 2.5132 (9.2); 2.5089 (19.5); 2.5044 (26.4); 2.4999 (19.4); 2.4955 (9.6); 2.4401 (11.2); 2.3700 (0.3); 1.5339 (6.0); 1.5165 (5.9); 1.2382 (0.3); −0.0002 (0.4)

I-237: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.3491 (9.8); 8.0537 (9.4); 7.6696 (0.4); 7.6406 (3.7); 7.6346 (3.0); 7.6259 (7.2); 7.6229 (7.6); 7.6088 (0.6); 7.5308 (3.7); 7.5101 (0.5); 7.4968 (1.6); 7.4831 (2.1); 7.4765 (2.0); 7.4664 (1.6); 7.4584 (1.0); 7.3238 (3.5); 7.2981 (19.6); 7.0734 (4.1); 6.9790 (2.2); 6.9529 (1.9); 6.6691 (1.0); 6.6486 (1.9);

TABLE 2-continued

6.6285 (1.0); 4.1443 (1.9); 4.1235 (1.9); 4.1170 (2.4); 4.0953 (3.9); 4.0746 (3.7); 4.0463 (2.0); 4.0255 (1.9); 2.5184 (0.7); 2.4618 (12.0); 2.4548 (6.6); 2.3965 (0.3); 2.3248 (16.0); 2.0405 (1.9); 1.6050 (9.0); 1.2945 (0.7); 0.1086 (1.6); 0.0488 (0.8); 0.0382 (16.8); 0.0272 (0.5)

I-238: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5570 (1.8); 7.5516 (1.4); 7.5425 (3.0); 7.5396 (3.3); 7.4550 (1.6); 7.4110 (0.7); 7.4021 (0.7); 7.3972 (1.0); 7.3881 (2.0); 7.3724 (0.5); 7.3613 (1.8); 7.2986 (3.6); 7.0724 (1.8); 6.9900 (1.0); 6.9633 (0.8); 6.5969 (0.4); 6.5777 (0.8); 6.5576 (0.4); 4.2838 (0.8); 4.2634 (0.8); 4.2347 (1.7); 4.2142 (1.6); 4.1855 (0.9); 4.1650 (0.8); 2.5778 (16.0); 2.5043 (5.2); 2.3137 (7.0); 1.6055 (0.6); 1.2948 (0.5); 0.0388 (4.0)

I-239: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.0252 (2.4); 9.0110 (4.1); 8.9982 (2.7); 8.9680 (0.4); 8.3158 (0.5); 8.0864 (16.0); 8.0805 (7.2); 7.7596 (1.7); 7.7419 (4.6); 7.7221 (5.0); 7.7027 (6.8); 7.6814 (9.3); 7.5988 (4.3); 7.5810 (3.6); 7.4555 (6.5); 7.4358 (11.0); 7.3784 (11.2); 7.3735 (8.9); 7.3577 (7.7); 7.2511 (0.5); 7.1957 (0.3); 5.8053 (1.4); 5.7880 (2.2); 5.7793 (1.8); 5.7555 (1.4); 5.6703 (2.2); 3.8729 (0.7); 3.8531 (1.6); 3.8366 (2.5); 3.8230 (3.0); 3.8030 (2.9); 3.7977 (2.7); 3.7870 (2.6); 3.7713 (1.9); 3.7624 (2.1); 3.7474 (1.9); 3.7177 (0.8); 3.3210 (174.5); 3.3165 (103.2); 2.8312 (0.4); 2.6704 (2.0); 2.5056 (268.7); 2.5012 (366.7); 2.4967 (331.7); 2.4058 (0.5); 2.3284 (2.1); 1.2504 (0.4); 1.2284 (0.6); 0.1461 (0.9); 0.0075 (24.0); −0.0004 (231.4); −0.0061 (97.0); −0.0696 (0.4); −0.0772 (0.3); −0.1495 (1.0); −0.1552 (0.6)

I-240: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.3174 (14.7); 7.9784 (1.1); 7.9600 (1.8); 7.9422 (1.1); 7.6761 (6.4); 7.6586 (8.7); 7.6341 (0.3); 7.5361 (4.3); 7.4908 (0.5); 7.4782 (1.8); 7.4701 (1.9); 7.4626 (2.5); 7.4561 (2.2); 7.4477 (1.6); 7.4396 (1.2); 7.3622 (4.6); 7.3351 (5.1); 7.2982 (22.5); 6.9473 (5.2); 6.8639 (2.8); 6.8374 (2.5); 5.3376 (2.3); 4.2966 (2.3); 4.2769 (2.3); 4.2483 (4.9); 4.2285 (4.7); 4.1999 (2.5); 4.1802 (2.4); 2.5065 (14.8); 2.4994 (8.3); 1.9042 (0.6); 1.8873 (1.2); 1.8759 (1.4); 1.8593 (2.5); 1.8429 (1.4); 1.8315 (1.4); 1.8147 (0.7); 1.5911 (16.0); 1.2933 (0.6); 1.0485 (1.7); 1.0332 (4.6); 1.0264 (5.0); 1.0113 (2.7); 1.0049 (4.8); 0.9985 (4.4); 0.9835 (2.0); 0.7248 (2.1); 0.7095 (5.8); 0.7038 (5.0); 0.6931 (4.6); 0.6873 (5.9); 0.6710 (1.6); 0.1079 (5.2); 0.0483 (0.9); 0.0375 (22.6); 0.0266 (0.9)

I-241: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.3033 (0.9); 9.2884 (2.0); 9.2735 (1.0); 7.9613 (2.4); 7.6786 (0.8); 7.6589 (2.3); 7.6391 (1.9); 7.6043 (2.4); 7.5846 (1.4); 7.4729 (3.1); 7.4517 (1.9); 7.4308 (1.5); 7.2951 (2.5); 7.2751 (2.8); 7.0644 (3.2); 6.8888 (1.7); 6.8696 (1.6); 6.2544 (1.8); 6.2301 (2.0); 4.0843 (0.8); 4.0694 (0.8); 4.0453 (1.7); 4.0304 (1.6); 4.0062 (1.0); 3.9911 (0.9); 3.5998 (0.8); 3.5847 (0.6); 3.5751 (0.8); 3.5493 (0.3); 3.3116 (71.7); 2.8993 (16.0); 2.7403 (14.3); 2.5136 (12.0); 2.5093 (16.8); 2.5049 (12.9); 2.4028 (8.2); 2.2232 (11.6); 1.8908 (1.5); 1.8630 (1.7); 1.7219 (1.4); 1.6897 (1.7); 1.5808 (0.8); 1.5521 (0.9); 1.4834 (0.5); 1.4586 (1.4); 1.4277 (1.5); 1.4028 (0.7); 1.2662 (0.5); 1.2355 (1.3); 1.2043 (1.4); 1.1735 (0.7); 1.1457 (0.6); 1.1152 (0.8); 1.0850 (0.6)

I-242: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 8.9961 (0.8); 8.9817 (1.6); 8.9668 (0.9); 7.7402 (6.3); 7.6413 (3.7); 7.6206 (2.3); 7.6009 (1.5); 7.5671 (2.5); 7.5461 (3.2); 7.4991 (1.8); 7.4797 (1.5); 7.4333 (2.6); 7.4007 (3.0); 7.3964 (3.3); 7.3799 (2.7); 7.3752 (2.8); 7.2291 (1.3); 7.0898 (2.7); 6.9505 (1.3); 6.0595 (0.5); 6.0472 (1.0); 6.0341 (0.6); 5.9439 (0.5); 5.9318 (0.9); 5.9185 (0.6); 3.8907 (0.6); 3.8851 (0.7); 3.8751 (1.4); 3.8599 (1.0); 3.8353 (0.7); 3.8203 (1.2); 3.8054 (0.8); 3.3123 (14.2); 2.8988 (1.0); 2.7400 (0.9); 2.6032 (16.0); 2.5132 (6.0); 2.5089 (8.1); 2.5047 (6.2)

I-243: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 8.3132 (0.8); 8.2568 (3.7); 8.0288 (0.3); 7.7602 (0.8); 7.7415 (2.4); 7.7224 (2.2); 7.6915 (2.9); 7.6729 (4.9); 7.6093 (2.0); 7.5885 (1.6); 7.5273 (1.6); 7.5245 (1.7); 7.5048 (2.3); 7.4026 (3.4); 7.3834 (2.6); 5.7884 (0.5); 4.5936 (0.6); 4.5802 (0.4); 4.3080 (2.2); 4.2916 (3.7); 4.2749 (2.4); 3.4622 (0.5); 3.4501 (0.5); 3.4348 (0.6); 3.3397 (515.8); 3.3363 (593.5); 3.3304 (1011.5); 3.2501 (0.4); 3.1413 (2.0); 3.1254 (3.3); 3.1084 (2.0); 2.6755 (2.8); 2.6710 (3.8); 2.6665 (2.8); 2.5413 (33.3); 2.5243 (9.1); 2.5108 (239.2); 2.5065 (498.4); 2.5020 (665.5); 2.4975 (483.1); 2.4931 (238.8); 2.4451 (16.0); 2.4186 (0.5); 2.4109 (0.5); 2.3332 (2.8); 2.3287 (3.9); 2.3241 (2.9); 2.2922 (0.4); 2.1739 (0.5); 1.2978 (0.4); 1.2585 (0.5); 1.2350 (0.8); −0.0002 (7.7)

I-244: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.1630 (1.3); 9.1435 (1.3); 7.9542 (0.5); 7.7907 (6.0); 7.7297 (0.5); 7.7092 (1.6); 7.6903 (1.3); 7.6509 (1.9); 7.6327 (3.5); 7.5707 (1.3); 7.5490 (1.2); 7.4909 (0.4); 7.4847 (3.9); 7.4803 (1.5); 7.4683 (1.6); 7.4636 (5.7); 7.4578 (0.9); 7.3689 (4.9); 7.3477 (3.5); 5.1174 (0.8); 5.0991 (1.2); 5.0809 (0.9); 3.3898 (53.5); 2.8928 (3.2); 2.7345 (2.8); 2.6099 (16.0); 2.5169 (5.0); 2.5125 (10.5); 2.5080 (14.1); 2.5035 (10.2); 2.4991 (4.9); 1.4317 (6.2); 1.4142 (6.2)

I-245: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.0478 (2.0); 9.0267 (2.0); 8.1857 (11.7); 7.7487 (0.7); 7.7288 (2.2); 7.7195 (0.4); 7.7086 (2.3); 7.6824 (4.9); 7.6779 (4.1); 7.6337 (1.9); 7.6139 (1.3); 7.2161 (2.8); 7.1965 (3.1); 6.9174 (3.6); 6.8959 (2.0); 6.8761 (1.7); 5.7556 (3.6); 5.1515 (0.4); 5.1378 (0.9); 5.1195 (1.1); 5.1018 (0.5); 3.3219 (58.5); 2.7245 (0.8); 2.7068 (2.0); 2.6912 (2.0); 2.6750 (1.3); 2.6705 (1.0); 2.6658 (0.7); 2.5238 (2.2); 2.5189 (3.4); 2.5104 (42.8); 2.5060 (86.2); 2.5014 (112.5); 2.4968 (80.8); 2.4923 (39.0); 2.3328 (0.5); 2.3282 (0.7); 2.3237 (0.5); 2.2177 (16.0); 2.0181 (0.4); 2.0050 (0.6); 1.9938 (0.6); 1.9827 (0.8); 1.9737 (1.0); 1.9602 (0.6); 1.8824 (0.5); 1.8702 (0.7); 1.8573 (0.7); 1.8375 (0.7); 1.8033 (0.4); 1.7813 (0.9); 1.7770 (0.8); 1.7622 (1.4); 1.7514 (1.7); 1.7391 (1.3); −0.0003 (4.6)

I-246: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 8.7461 (0.7); 8.7321 (1.3); 8.7178 (0.7); 7.7602 (6.1); 7.7165 (0.6); 7.6970 (1.8); 7.6772 (1.6); 7.6545 (2.1); 7.6349 (1.0); 7.5779 (2.5); 7.5222 (1.4); 7.5023 (1.1); 7.1991 (0.6); 7.1912 (0.8); 7.1847 (0.8); 7.1766 (1.3); 7.1687 (0.8); 7.1620 (0.7); 7.1541 (0.7); 7.1470 (0.6); 7.1354 (0.6); 7.1241 (1.3); 7.1125 (1.3); 7.1010 (0.9); 7.0895 (0.8); 7.0358 (0.4); 7.0266 (0.7); 7.0160 (0.8); 7.0059 (1.1); 6.9972 (0.6); 6.9843 (0.5); 3.5856 (1.0); 3.5690 (2.6); 3.5536 (2.7); 3.5371 (1.0); 3.3292 (41.8); 2.8885 (1.6); 2.8717 (3.1); 2.8549 (1.5); 2.6761 (0.4); 2.6715 (0.6); 2.6673 (0.4); 2.5904 (16.0); 2.5070 (73.4); 2.5027 (91.6); 2.4982 (67.1); 2.3339 (0.4); 2.3294 (0.5); 2.3250 (0.4); −0.0002 (0.3)

I-247: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.2795 (16.0); 8.1331 (2.0); 8.1133 (1.2); 7.5136 (5.8); 7.4847 (11.4); 7.4247 (11.8); 7.4004 (9.4); 7.3742 (4.1); 7.3059 (25.6); 7.1014 (3.8); 7.0753 (3.3); 7.0128 (2.6); 7.0072 (3.2); 6.9862 (2.2); 6.9802 (2.9); 6.9416 (4.4); 6.9354 (5.9); 6.9286 (3.3); 5.3450 (5.8); 4.2593 (2.8); 4.2390 (2.7); 4.2123 (5.9); 4.1921 (5.8); 4.1653 (3.0); 4.1450 (2.9); 2.0307 (0.7); 2.0139 (1.4); 2.0025 (1.6); 1.9860 (3.0);

TABLE 2-continued

1.9694 (1.7); 1.9581 (1.6); 1.9415 (0.8); 1.5992 (8.5); 1.3536 (0.3); 1.3122 (0.5); 1.2991 (0.6); 1.0981 (1.8); 1.0821 (4.9); 1.0759 (5.3); 1.0608 (2.8); 1.0540 (5.3); 1.0475 (4.9); 1.0329 (2.3); 0.8064 (2.2); 0.7907 (6.5); 0.7849 (5.7); 0.7747 (5.2); 0.7685 (6.7); 0.7524 (1.8); 0.1149 (0.9); 0.0557 (0.9); 0.0450 (25.4); 0.0342 (1.0)

I-248: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.1266 (5.0); 7.9036 (0.4); 7.8855 (0.6); 7.8679 (0.4); 7.6500 (0.6); 7.6278 (1.4); 7.6047 (1.7); 7.5821 (0.8); 7.5260 (2.2); 7.4970 (3.7); 7.4243 (4.1); 7.3966 (2.8); 7.3734 (0.5); 7.2984 (6.6); 5.3364 (6.6); 4.2825 (1.0); 4.2620 (1.0); 4.2360 (2.2); 4.2155 (2.1); 4.1895 (1.1); 4.1690 (1.1); 2.7653 (16.0); 1.6067 (6.0); 1.2269 (0.5); 0.0362 (6.4)

I-249: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.3968 (0.5); 8.3882 (0.5); 8.0680 (0.6); 8.0595 (0.6); 7.9858 (10.8); 7.9770 (11.0); 7.8213 (11.1); 7.8157 (11.1); 7.7976 (0.9); 7.7924 (0.7); 7.6769 (0.6); 7.6732 (0.6); 7.6611 (0.4); 7.6364 (0.8); 7.6077 (10.2); 7.6026 (7.1); 7.5903 (16.0); 7.5795 (2.1); 7.5764 (1.9); 7.5660 (0.6); 7.5143 (0.4); 7.4855 (1.0); 7.4631 (10.2); 7.4337 (21.1); 7.4033 (1.4); 7.3900 (3.3); 7.3809 (3.1); 7.3756 (5.0); 7.3694 (4.1); 7.3582 (4.1); 7.3466 (15.7); 7.3180 (9.2); 7.2984 (15.9); 7.0106 (2.2); 6.9898 (4.2); 6.9691 (2.2); 6.6232 (7.6); 6.6169 (9.2); 6.6146 (8.7); 6.6083 (7.2); 6.5789 (0.4); 6.5727 (0.5); 6.5642 (0.4); 6.5135 (0.3); 6.5076 (0.4); 4.1012 (3.8); 4.0801 (3.8); 4.0542 (8.2); 4.0331 (8.0); 4.0072 (4.2); 3.9862 (4.3); 3.9673 (0.5); 2.0358 (1.3); 1.6858 (4.4); 1.2953 (0.9); 0.0484 (0.6); 0.0378 (14.6); 0.0269 (0.6)

I-250: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.7990 (2.2); 8.6869 (1.6); 8.6705 (1.7); 7.6472 (0.7); 7.6262 (2.2); 7.5848 (1.0); 7.5488 (0.5); 7.5400 (0.8); 7.5327 (0.5); 7.5185 (0.4); 7.2985 (22.1); 7.2730 (1.4); 7.2713 (1.3); 7.2548 (2.1); 7.2275 (1.1); 7.0412 (1.1); 6.9758 (0.6); 6.9475 (0.6); 6.4376 (0.4); 2.3905 (1.7); 2.3837 (3.2); 2.3763 (1.8); 2.3233 (4.3); 1.5876 (16.0); 1.2929 (1.4); 0.9195 (0.4); 0.1070 (1.0); 0.0482 (0.6); 0.0466 (0.4); 0.0450 (0.4); 0.0375 (20.8); 0.0266 (0.8)

I-251: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.0184 (1.2); 9.0029 (2.4); 8.9874 (1.2); 8.7096 (3.9); 8.7043 (3.9); 7.9674 (2.8); 7.9615 (4.7); 7.9466 (2.8); 7.9407 (2.7); 7.7137 (4.3); 7.6926 (3.7); 7.6538 (9.7); 7.6180 (1.3); 7.5983 (3.2); 7.5786 (2.1); 7.4852 (2.7); 7.4662 (2.0); 7.3789 (3.8); 7.3379 (2.2); 7.3176 (1.9); 7.2192 (1.8); 7.0799 (3.9); 6.9406 (1.9); 4.2564 (1.2); 4.2408 (1.2); 4.2208 (2.7); 4.2051 (2.6); 4.1851 (1.4); 4.1694 (1.3); 3.3118 (25.4); 2.8986 (16.0); 2.7397 (14.5); 2.5130 (10.2); 2.5087 (13.5); 2.5045 (10.2); 2.3269 (0.5); 2.3146 (1.0); 2.3062 (1.2); 2.2941 (2.0); 2.2819 (1.2); 2.2737 (1.1); 2.2614 (0.5); 1.0942 (0.9); 1.0825 (2.4); 1.0762 (3.7); 1.0679 (2.4); 1.0619 (2.4); 1.0558 (3.3); 1.0477 (1.6); 1.0313 (0.6); 1.0076 (1.7); 0.9991 (3.7); 0.9940 (3.7); 0.9875 (4.1); 0.9814 (3.1); 0.9695 (0.9)

I-252: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.4702 (16.0); 8.4341 (6.5); 8.1276 (1.0); 8.1101 (1.6); 8.0918 (1.0); 7.7621 (4.2); 7.7575 (7.0); 7.7528 (4.1); 7.7179 (3.4); 7.7097 (2.9); 7.7054 (3.1); 7.6990 (8.9); 7.6957 (8.4); 7.6844 (0.8); 7.6800 (0.8); 7.6646 (0.4); 7.5728 (3.9); 7.5382 (0.6); 7.5315 (0.5); 7.5231 (1.7); 7.5118 (2.5); 7.5048 (2.4); 7.4922 (2.0); 7.4782 (4.7); 7.4500 (10.6); 7.4327 (0.8); 7.4258 (0.7); 7.3647 (0.5); 7.3576 (0.3); 7.3282 (0.4); 7.2987 (28.4); 7.2877 (3.9); 7.2805 (3.4); 7.2597 (2.7); 7.2529 (2.6); 6.1710 (1.0); 6.1604 (1.1); 6.1469 (1.2); 6.1365 (1.1); 6.0155 (1.0); 6.0050 (1.1); 5.9915 (1.2); 5.9813 (1.1); 4.4022 (0.6); 4.3916 (0.6); 4.3797 (0.7); 4.3689 (0.6); 4.3534 (0.7); 4.3427 (0.8); 4.3309 (0.7); 4.3203 (0.8); 4.3113 (0.7); 4.3004 (0.6); 4.2886 (0.7); 4.2781 (0.6); 4.2623 (0.8); 4.2517 (0.8); 4.2399 (0.8); 4.2293 (0.7); 4.1923 (0.4); 4.1686 (1.2); 4.1447 (1.2); 4.1210 (0.4); 3.9396 (0.7); 3.9225 (0.8); 3.9156 (0.8); 3.8984 (0.8); 3.8908 (0.7); 3.8695 (1.1); 3.8523 (1.1); 3.8287 (0.8); 3.8211 (0.8); 3.8040 (0.6); 3.7969 (0.7); 3.7801 (0.6); 2.0813 (5.7); 2.0472 (1.9); 1.6503 (13.6); 1.3188 (1.7); 1.2949 (3.4); 1.2711 (1.5); 1.1421 (0.7); 1.0522 (0.4); 0.1057 (5.8); 0.0458 (1.0); 0.0350 (25.8); 0.0241 (0.8)

I-253: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.3098 (14.5); 7.9547 (1.5); 7.9304 (1.5); 7.7026 (0.3); 7.6747 (5.8); 7.6573 (9.6); 7.6455 (5.2); 7.6227 (3.1); 7.5953 (6.6); 7.5546 (6.4); 7.5321 (2.1); 7.5034 (1.4); 7.4972 (1.9); 7.4881 (1.7); 7.4825 (2.6); 7.4759 (2.1); 7.4666 (1.6); 7.4582 (1.1); 7.3048 (11.2); 5.4822 (0.5); 5.4588 (2.0); 5.4351 (3.0); 5.4114 (2.0); 5.3881 (0.5); 4.1741 (1.0); 4.1503 (1.0); 4.1265 (0.3); 2.0871 (4.3); 1.7042 (16.0); 1.6809 (16.0); 1.6197 (1.2); 1.3256 (1.3); 1.3018 (2.8); 1.2780 (1.2); 0.9634 (0.4); 0.9389 (0.3); 0.0537 (0.3); 0.0429 (10.5); 0.0320 (0.5)

I-254: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.6122 (0.5); 7.5860 (3.5); 7.5788 (3.0); 7.5743 (3.1); 7.5675 (8.5); 7.5643 (8.9); 7.5481 (5.7); 7.5193 (8.5); 7.4594 (4.2); 7.4330 (8.1); 7.4039 (6.4); 7.3933 (2.6); 7.3808 (1.8); 7.3725 (1.1); 7.2987 (20.4); 6.4557 (1.0); 6.4350 (2.0); 6.4141 (1.1); 4.2668 (2.2); 4.2457 (2.1); 4.2189 (4.8); 4.1977 (4.5); 4.1709 (2.4); 4.1497 (2.3); 2.7423 (1.9); 2.7172 (6.4); 2.6921 (6.6); 2.6672 (2.0); 1.5946 (14.3); 1.3015 (7.2); 1.2766 (16.0); 1.2514 (6.6); 0.1076 (1.1); 0.0482 (0.7); 0.0374 (20.6); 0.0266 (0.7)

I-255: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.0844 (10.0); 8.0427 (0.6); 8.0239 (1.0); 8.0078 (0.6); 7.6778 (0.5); 7.6507 (2.1); 7.6294 (5.9); 7.6123 (0.5); 7.5837 (3.5); 7.5192 (2.6); 7.4600 (1.0); 7.4513 (1.9); 7.4442 (1.3); 7.4371 (0.8); 7.4291 (1.3); 7.4231 (1.3); 7.3955 (4.3); 7.3896 (5.6); 7.3863 (6.3); 7.3584 (0.7); 7.3077 (0.6); 7.2986 (34.0); 6.1275 (0.8); 6.1168 (0.8); 6.1041 (0.9); 6.0934 (0.8); 5.9724 (0.8); 5.9614 (0.9); 5.9486 (0.9); 5.9378 (0.8); 5.3378 (7.1); 4.3544 (0.4); 4.3435 (0.4); 4.3323 (0.4); 4.3212 (0.4); 4.3059 (0.5); 4.2949 (0.5); 4.2837 (0.5); 4.2727 (0.5); 4.2646 (0.5); 4.2541 (0.4); 4.2424 (0.4); 4.2313 (0.4); 4.2159 (0.6); 4.2051 (0.5); 4.1935 (0.6); 4.1828 (0.5); 3.9033 (0.5); 3.8862 (0.6); 3.8795 (0.6); 3.8622 (0.6); 3.8544 (0.5); 3.8374 (0.6); 3.8320 (0.9); 3.8146 (0.9); 3.8092 (0.6); 3.7915 (0.5); 3.7837 (0.5); 3.7664 (0.4); 3.7602 (0.5); 3.7430 (0.4); 2.2941 (0.4); 2.2757 (0.8); 2.2682 (0.9); 2.2599 (0.6); 2.2504 (1.9); 2.2394 (0.7); 2.2319 (0.8); 2.2245 (1.0); 2.2063 (0.5); 2.0450 (16.0); 1.5807 (13.6); 1.2932 (0.5); 1.2092 (1.4); 1.2004 (4.2); 1.1916 (4.6); 1.1868 (6.4); 1.1844 (6.1); 1.1787 (3.6); 1.1664 (2.4); 1.1606 (3.9); 1.1518 (1.8); 1.1295 (0.4); 0.0488 (1.3); 0.0456 (0.8); 0.0380 (37.0); 0.0271 (1.2)

I-256: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ =9.2177 (0.4); 9.2023 (0.8); 9.1869 (0.4); 7.9612 (0.9); 7.7155 (0.4); 7.6959 (0.9); 7.6762 (0.8); 7.6467 (1.0); 7.6273 (0.5); 7.4976 (1.3); 7.4859 (0.8); 7.4655 (0.6); 7.3032 (1.1); 7.2832 (1.2); 7.0750 (1.4); 6.9091 (0.7); 6.8892 (0.7); 4.1555 (0.3); 4.1402 (0.4); 4.1178 (0.8); 4.1024 (0.8); 4.0797 (0.4); 4.0644 (0.4); 3.3187 (10.2); 2.9032 (16.0); 2.7399 (5.3); 2.5134 (4.6); 2.5090 (6.4); 2.5047 (4.8); 2.4134 (3.6); 2.2299 (4.9)

TABLE 2-continued

I-257: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5453 (1.2); 7.5247 (3.5); 7.5036 (0.3); 7.4232 (1.6); 7.3867 (0.7); 7.3775 (1.4); 7.3706 (2.2); 7.3559 (0.9); 7.3444 (1.9); 7.2985 (10.6); 7.0696 (1.8); 6.9993 (1.5); 6.9741 (1.4); 4.2381 (0.8); 4.2176 (0.8); 4.1880 (1.6); 4.1676 (1.5); 4.1379 (0.8); 4.1175 (0.8); 3.7533 (0.4); 3.7386 (16.0); 3.5733 (0.8); 3.5506 (1.7); 3.5329 (1.8); 3.5103 (0.8); 2.5142 (2.0); 2.4980 (5.6); 2.4911 (6.4); 2.4681 (2.0); 2.3286 (6.9); 2.0838 (0.5); 2.0608 (1.7); 2.0430 (4.7); 2.0380 (2.6); 2.0148 (1.5); 1.9916 (0.4); 1.5954 (4.2); 0.0487 (0.5); 0.0379 (11.1); 0.0270 (0.4)
I-258: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 8.9907 (1.8); 8.9761 (3.7); 8.9613 (2.0); 8.7028 (0.4); 7.9613 (2.6); 7.7598 (7.2); 7.6621 (2.0); 7.6484 (15.2); 7.6311 (2.6); 7.6112 (5.2); 7.5914 (3.5); 7.5344 (2.1); 7.5302 (2.0); 7.5134 (5.8); 7.5092 (6.2); 7.4917 (13.6); 7.4710 (6.8); 7.4220 (5.9); 7.3808 (3.4); 7.3606 (3.3); 7.3114 (2.3); 7.2250 (2.9); 7.0857 (6.2); 6.9465 (3.0); 6.0414 (1.2); 6.0293 (2.4); 6.0162 (1.3); 5.9263 (1.2); 5.9138 (2.3); 5.9007 (1.3); 3.8786 (1.9); 3.8657 (3.6); 3.8515 (2.4); 3.8194 (1.8); 3.8085 (3.4); 3.7942 (2.2); 3.5581 (0.7); 3.5435 (0.7); 3.3115 (36.9); 2.9596 (0.5); 2.9429 (1.0); 2.9256 (0.5); 2.8989 (16.0); 2.7401 (14.6); 2.5132 (17.7); 2.5090 (23.8); 2.5048 (18.7); 2.3305 (0.8); 2.3181 (1.6); 2.3098 (1.9); 2.2976 (3.2); 2.2902 (1.8); 2.2856 (2.2); 2.2774 (2.0); 2.2649 (1.0); 1.1053 (1.4); 1.0938 (4.0); 1.0874 (6.0); 1.0787 (4.1); 1.0733 (4.3); 1.0670 (5.6); 1.0588 (2.9); 1.0428 (1.0); 1.0232 (0.8); 1.0129 (2.5); 1.0044 (5.7); 0.9991 (6.3); 0.9929 (7.0); 0.9868 (5.9); 0.9750 (2.0)
I-259: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.2674 (10.5); 8.0861 (1.1); 7.5634 (5.6); 7.5353 (7.5); 7.5116 (7.1); 7.4188 (2.1); 7.3941 (2.9); 7.3879 (0.8); 7.3693 (1.0); 7.3656 (0.6); 7.2985 (20.5); 7.2754 (2.2); 7.2687 (2.1); 7.2475 (5.8); 7.2435 (6.8); 7.2310 (0.6); 7.2184 (4.2); 7.2062 (0.4); 4.4886 (1.8); 4.4681 (1.8); 4.4409 (3.9); 4.4204 (3.8); 4.3930 (2.0); 4.3726 (1.9); 2.0831 (0.7); 1.5829 (16.0); 1.2975 (0.8); 0.1081 (0.8); 0.0492 (0.8); 0.0384 (20.6); 0.0274 (0.6)
I-260: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.3093 (5.2); 7.8234 (0.5); 7.8038 (0.3); 7.6838 (0.4); 7.6631 (0.8); 7.6358 (0.9); 7.6071 (1.0); 7.5840 (0.6); 7.4487 (0.7); 7.4218 (1.0); 7.3847 (1.5); 7.3581 (1.6); 7.3019 (16.6); 7.0752 (1.6); 6.9976 (0.9); 6.9701 (0.8); 5.3415 (7.3); 4.3152 (0.8); 4.2952 (0.8); 4.2675 (1.7); 4.2475 (1.7); 4.2198 (0.9); 4.1998 (0.8); 3.5416 (0.9); 3.5235 (0.9); 2.5230 (2.6); 2.5160 (4.8); 2.5087 (2.7); 2.3078 (6.6); 2.0496 (16.0); 1.5957 (11.0); 0.1100 (0.5); 0.0510 (0.5); 0.0403 (15.4); 0.0293 (0.6)
I-261: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.2789 (7.1); 7.8560 (1.0); 7.8380 (1.0); 7.6278 (0.3); 7.6072 (4.0); 7.5945 (5.5); 7.4708 (3.1); 7.4495 (1.3); 7.4390 (1.8); 7.4343 (1.5); 7.4274 (1.2); 7.4213 (0.8); 7.2585 (11.1); 7.2378 (5.8); 7.1706 (5.2); 7.1510 (3.4); 5.3357 (0.4); 5.3183 (1.2); 5.3006 (1.8); 5.2829 (1.2); 5.2654 (0.3); 2.3317 (16.0); 2.3174 (0.8); 1.6197 (9.3); 1.6025 (9.2); 1.5833 (1.1); 1.5535 (2.7); −0.0002 (7.1)
I-262: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.1968 (1.0); 9.1816 (2.2); 9.1664 (1.2); 8.0174 (0.4); 7.9615 (2.5); 7.6816 (1.0); 7.6620 (2.6); 7.6425 (2.0); 7.6050 (2.7); 7.5855 (1.6); 7.4372 (4.2); 7.4141 (1.8); 7.3031 (2.9); 7.2832 (3.2); 7.0767 (3.8); 6.9378 (2.0); 6.9182 (1.9); 4.1145 (1.0); 4.0986 (1.0); 4.0762 (2.1); 4.0608 (2.0); 4.0382 (1.1); 4.0224 (1.1); 3.6060 (3.0); 3.5905 (8.1); 3.5752 (3.5); 3.3110 (66.0); 2.8993 (16.0); 2.7404 (14.6); 2.5135 (13.1); 2.5093 (18.2); 2.5051 (14.2); 2.4193 (0.7); 2.3987 (9.8); 2.2381 (13.2); 2.2170 (1.1); 1.8311 (3.0); 1.8156 (8.0); 1.7998 (3.3)
I-263: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.0692 (1.5); 9.0538 (3.1); 9.0382 (1.5); 7.9613 (0.7); 7.6298 (1.8); 7.6099 (16.0); 7.5901 (3.0); 7.5790 (6.3); 7.5576 (8.7); 7.4930 (3.4); 7.4736 (2.8); 7.4587 (8.4); 7.4375 (6.1); 7.4036 (4.8); 7.3595 (2.7); 7.3392 (2.3); 7.2265 (2.3); 7.0871 (4.9); 6.9479 (2.4); 4.1347 (1.5); 4.1190 (1.6); 4.0998 (3.4); 4.0841 (3.3); 4.0649 (1.7); 4.0492 (1.6); 3.3121 (24.3); 2.8985 (4.4); 2.7398 (4.0); 2.5130 (11.3); 2.5088 (15.0); 2.5047 (11.5); 2.3265 (0.6); 2.3142 (1.3); 2.3058 (1.4); 2.2936 (2.5); 2.2815 (1.6); 2.2734 (1.4); 2.2610 (0.7); 1.0979 (1.1); 1.0863 (3.1); 1.0800 (4.6); 1.0714 (3.0); 1.0658 (3.1); 1.0595 (4.2); 1.0514 (2.0); 1.0356 (0.5); 1.0304 (0.6); 1.0159 (0.6); 1.0069 (2.0); 0.9984 (4.6); 0.9932 (4.6); 0.9869 (5.2); 0.9807 (4.0); 0.9689 (1.2)
I-264: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.1230 (5.1); 7.9406 (0.4); 7.9236 (0.7); 7.9067 (0.4); 7.6311 (0.5); 7.6095 (1.0); 7.5872 (0.6); 7.5235 (2.4); 7.4947 (4.1); 7.4219 (4.6); 7.3933 (3.4); 7.3657 (0.6); 7.2987 (6.9); 7.1273 (1.1); 6.9449 (2.2); 6.7626 (1.1); 4.2788 (1.1); 4.2584 (1.0); 4.2322 (2.3); 4.2118 (2.2); 4.1857 (1.1); 4.1652 (1.1); 2.7608 (16.0); 1.6014 (6.1); 1.2949 (0.4); 0.0375 (6.7)
I-265: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 7.3701 (2.1); 7.3541 (2.3); 7.3424 (1.2); 7.3261 (2.5); 7.3182 (0.5); 7.3099 (1.7); 7.3020 (0.4); 7.2598 (15.7); 7.2358 (1.8); 7.2199 (1.4); 7.1781 (0.4); 7.1643 (2.8); 7.1144 (0.7); 7.1025 (1.3); 7.0896 (0.9); 7.0805 (1.6); 7.0769 (1.6); 7.0640 (1.4); 7.0604 (1.4); 7.0484 (0.4); 7.0279 (2.7); 6.9395 (1.5); 6.9238 (1.4); 4.6665 (8.7); 4.1999 (0.9); 4.1875 (1.0); 4.1707 (1.9); 4.1582 (1.9); 4.1412 (1.0); 4.1288 (1.0); 3.7261 (2.2); 3.7178 (2.9); 3.7140 (2.4); 3.7089 (3.0); 3.5522 (2.7); 3.5471 (2.3); 3.5433 (3.0); 3.5350 (2.5); 3.5175 (0.5); 3.4794 (0.3); 3.3439 (16.0); 2.4938 (7.2); 2.3820 (0.3); 2.2923 (0.6); 2.2576 (10.3); 1.5632 (5.5); 1.4138 (0.4); 1.2553 (2.8); 1.1072 (1.2); 0.8804 (0.4); 0.8445 (0.3); −0.0002 (14.2)
I-266: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 8.9180 (2.2); 7.9597 (0.8); 7.5212 (0.8); 7.5016 (1.7); 7.4805 (1.0); 7.3378 (6.3); 7.3172 (4.0); 7.2350 (1.3); 7.2167 (1.0); 7.2124 (0.9); 7.0470 (2.7); 7.0271 (2.4); 3.3276 (161.0); 2.8982 (4.3); 2.7394 (4.0); 2.5650 (10.1); 2.5088 (7.5); 2.2684 (10.1); 2.2509 (9.2); 1.6144 (16.0)
I-267: ^{1}H-NMR(499.9 MHz, d_6-DMSO):
δ = 9.2295 (0.9); 9.2178 (1.8); 9.2058 (1.0); 7.6517 (2.7); 7.5629 (2.6); 7.5460 (3.2); 7.3949 (1.8); 7.3909 (1.8); 7.3782 (1.6); 7.3741 (1.6); 7.1788 (0.8); 7.1630 (2.2); 7.1471 (1.6); 7.1109 (0.9); 7.1082 (1.1); 7.0940 (1.6); 7.0805 (0.7); 7.0778 (0.7); 6.9453 (0.9); 6.9323 (1.6); 6.9189 (0.8); 6.0507 (0.5); 6.0421 (0.8); 6.0311 (0.6); 5.9587 (0.5); 5.9500 (0.8); 5.9390 (0.6); 3.9481 (0.5); 3.9356 (0.9); 3.9305 (0.8); 3.9225 (1.0); 3.9112 (0.6); 3.9007 (0.7); 3.8882 (1.0); 3.8833 (0.8); 3.8752 (1.0); 3.8638 (0.6); 3.3192 (5.6); 2.5084 (2.2); 2.5049 (3.2); 2.5015 (2.5); 2.2614 (16.0); 2.0847 (0.6); 2.0781 (0.7); 2.0680 (1.2); 2.0578 (0.8); 2.0512 (0.7); 2.0408 (0.4); 1.9920 (0.4); 1.0403 (0.8); 1.0314 (2.3); 1.0272 (2.5); 1.0189 (1.4); 1.0146 (2.4); 1.0103 (2.6); 1.0022 (1.0); 0.7971 (0.9); 0.7884 (2.6); 0.7849 (2.9); 0.7786 (2.7); 0.7747 (3.0); 0.7657 (1.0)

TABLE 2-continued

I-268: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 8.7397 (0.6); 8.7255 (1.2); 8.7113 (0.6); 8.0835 (7.9); 7.7511 (0.4); 7.7309 (1.4); 7.7110 (1.6); 7.6964 (3.3); 7.5892 (1.2); 7.5694 (0.9); 6.8436 (2.4); 6.8393 (2.6); 6.7536 (0.8); 6.7492 (0.7); 6.7334 (1.8); 6.7289 (1.7); 6.7042 (3.3); 6.6838 (1.4); 3.9026 (4.1); 3.6965 (16.0); 3.6558 (0.4); 3.6423 (15.8); 3.5436 (0.7); 3.5265 (1.8); 3.5113 (1.9); 3.4943 (0.8); 3.3265 (61.2); 2.7849 (1.4); 2.7673 (2.8); 2.7498 (1.3); 2.6754 (0.5); 2.6710 (0.7); 2.6665 (0.5); 2.5413 (0.9); 2.5242 (2.8); 2.5107 (49.8); 2.5065 (94.9); 2.5020 (119.9); 2.4975 (86.3); 2.4932 (42.7); 2.3333 (0.5); 2.3288 (0.7); 2.3243 (0.5); −0.0002 (0.5)
I-269: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.6203 (0.6); 7.5944 (2.8); 7.5741 (8.2); 7.5429 (7.7); 7.5358 (10.6); 7.5259 (9.4); 7.5067 (2.5); 7.4945 (2.3); 7.4853 (2.9); 7.4777 (2.1); 7.4725 (1.5); 7.4636 (2.2); 7.4480 (5.2); 7.4416 (5.4); 7.4302 (4.0); 7.4188 (2.4); 7.4155 (2.7); 7.2986 (8.0); 7.2006 (3.3); 7.1740 (4.0); 7.0236 (4.1); 6.9381 (2.3); 6.9117 (1.9); 6.1478 (1.0); 6.1280 (2.0); 6.1080 (1.1); 3.9828 (1.8); 3.9623 (1.7); 3.9336 (3.8); 3.9132 (3.6); 3.8845 (1.9); 3.8641 (1.8); 2.3872 (12.0); 2.3372 (0.4); 2.2882 (16.0); 1.6548 (0.4); 1.3159 (0.6); 1.2969 (1.0); 0.0505 (0.4); 0.0400 (8.7); 0.0292 (0.5)
I-270: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 8.8088 (1.6); 8.7948 (3.2); 8.7806 (1.6); 8.0714 (16.0); 8.0706 (15.4); 7.7534 (1.4); 7.7340 (4.4); 7.7144 (4.5); 7.6994 (5.2); 7.6796 (2.0); 7.6452 (5.9); 7.5888 (3.4); 7.5687 (2.6); 7.3850 (1.4); 7.3634 (3.1); 7.3464 (3.1); 7.3248 (1.5); 7.0994 (1.6); 7.0930 (1.7); 7.0737 (2.6); 7.0687 (2.7); 7.0500 (1.7); 7.0436 (1.7); 6.8588 (1.5); 6.8534 (1.5); 6.8376 (2.8); 6.8326 (2.8); 6.8161 (1.4); 6.8114 (1.3); 3.5615 (2.2); 3.5447 (6.1); 3.5293 (6.2); 3.5127 (2.4); 3.3303 (162.0); 2.8747 (3.7); 2.8576 (7.2); 2.8404 (3.3); 2.6762 (0.6); 2.6717 (0.8); 2.5071 (96.4); 2.5026 (126.1); 2.4982 (94.1); 2.3296 (0.7); 1.9891 (1.2); 1.3978 (6.2); 1.1930 (0.3); 1.1755 (0.6); 0.0079 (0.7); −0.0002 (19.0); −0.0079 (0.7)
I-271: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.7366 (5.4); 7.6624 (1.5); 7.6360 (10.1); 7.6195 (16.0); 7.5077 (10.4); 7.4836 (1.9); 7.4475 (6.3); 7.4405 (5.3); 7.4214 (8.7); 7.3918 (21.3); 7.3728 (20.6); 7.3442 (5.5); 7.3048 (13.4); 7.3022 (17.4); 7.2970 (31.3); 7.2748 (4.0); 7.2131 (8.1); 7.1902 (7.8); 4.1916 (0.4); 4.1713 (0.4); 4.0685 (3.0); 4.0490 (3.0); 4.0202 (6.1); 3.9999 (5.7); 3.9714 (3.2); 3.9511 (2.9); 2.0553 (0.3); 2.0159 (0.5); 2.0043 (0.4); 1.8586 (1.3); 1.7235 (0.4); 1.4819 (0.4); 1.4583 (0.7); 1.4012 (0.3); 1.3713 (0.7); 1.2934 (6.1); 1.1863 (0.5); 1.1560 (0.4); 1.1373 (0.5); 0.9154 (1.1); 0.8944 (1.1); 0.8690 (0.8); 0.0428 (11.7); 0.0401 (15.5); 0.0348 (28.8); 0.0241 (1.1)
I-272: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.2643 (1.3); 9.2492 (2.8); 9.2339 (1.4); 7.9612 (2.5); 7.6863 (1.2); 7.6666 (3.1); 7.6469 (2.6); 7.6150 (3.3); 7.5954 (1.9); 7.5440 (5.4); 7.5226 (7.2); 7.4356 (4.3); 7.4209 (2.8); 7.3914 (7.4); 7.3701 (5.6); 6.2766 (2.5); 6.2525 (2.6); 4.1406 (1.0); 4.1256 (1.1); 4.1043 (2.2); 4.0891 (2.1); 4.0675 (1.3); 4.0521 (1.2); 3.5605 (0.4); 3.5344 (1.0); 3.5186 (0.8); 3.5087 (1.1); 3.4839 (0.4); 3.3120 (98.3); 2.8992 (16.0); 2.7403 (14.3); 2.5136 (16.2); 2.5092 (22.5); 2.5049 (17.2); 1.8689 (2.0); 1.8433 (2.3); 1.7307 (1.9); 1.6988 (2.3); 1.5916 (1.1); 1.5605 (1.2); 1.4838 (0.7); 1.4591 (1.9); 1.4270 (2.0); 1.4017 (0.9); 1.2509 (0.7); 1.2211 (1.8); 1.1890 (2.0); 1.1565 (1.3); 1.1165 (1.2); 1.0862 (0.8)
I-273: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.2211 (1.5); 9.2074 (3.2); 9.1933 (1.5); 7.9963 (16.0); 7.9608 (1.6); 7.8686 (6.5); 7.8652 (6.7); 7.6712 (2.0); 7.6516 (4.8); 7.6318 (3.1); 7.5415 (4.1); 7.5220 (3.1); 7.5023 (4.7); 7.4811 (7.4); 7.4446 (5.8); 7.4102 (6.9); 7.3893 (5.2); 7.2475 (2.7); 7.1082 (5.9); 6.9690 (2.9); 4.2954 (1.5); 4.2814 (1.6); 4.2615 (3.2); 4.2468 (3.2); 4.2265 (1.7); 4.2127 (1.6); 3.3114 (35.9); 2.8987 (9.4); 2.7397 (8.4); 2.5130 (15.6); 2.5088 (20.9); 2.5046 (15.9)
I-274: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.1771 (3.2); 9.1558 (3.3); 8.2294 (16.0); 7.7495 (1.2); 7.7297 (3.8); 7.7103 (3.8); 7.6909 (6.4); 7.6667 (2.1); 7.6443 (3.4); 7.6247 (2.1); 7.4898 (5.5); 7.4861 (5.7); 7.3420 (3.0); 7.3370 (2.8); 7.3216 (3.5); 7.3166 (3.4); 7.0957 (5.2); 7.0752 (4.4); 5.2002 (0.8); 5.1801 (2.0); 5.1627 (1.5); 5.1470 (0.7); 3.3396 (101.4); 2.7093 (4.4); 2.6937 (2.8); 2.6758 (0.7); 2.6714 (0.8); 2.6666 (0.7); 2.5417 (70.0); 2.5066 (76.4); 2.5023 (100.1); 2.4980 (73.0); 2.3293 (0.5); 2.3245 (0.4); 2.0612 (0.6); 2.0471 (1.4); 2.0366 (1.4); 2.0289 (1.1); 2.0188 (1.4); 2.0045 (0.9); 1.8964 (0.8); 1.8783 (1.2); 1.8652 (1.7); 1.8536 (1.3); 1.8322 (0.5); 1.8169 (0.5); 1.7991 (0.9); 1.7788 (1.5); 1.7646 (2.5); 1.7499 (2.7); 1.7252 (1.1); 1.7021 (0.4); 1.6962 (0.4); −0.0004 (4.3)
I-275: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.2783 (0.9); 9.2625 (1.9); 9.2471 (1.0); 8.8532 (6.2); 8.7171 (3.4); 8.7047 (3.6); 8.2810 (0.3); 8.1579 (6.9); 8.0315 (1.5); 7.9596 (2.7); 7.7818 (0.3); 7.7526 (0.3); 7.7257 (3.2); 7.7134 (3.2); 7.6995 (0.8); 7.6801 (1.6); 7.6611 (1.7); 7.6440 (1.7); 7.6278 (1.3); 7.6024 (0.7); 7.5221 (1.4); 7.5021 (2.2); 7.4821 (1.0); 7.4725 (0.6); 7.4543 (1.5); 7.3396 (2.4); 7.3195 (5.4); 7.3070 (0.8); 7.2962 (0.8); 7.1845 (1.4); 7.1613 (0.3); 7.0750 (3.5); 6.9378 (1.8); 6.9189 (1.7); 4.1719 (0.8); 4.1563 (0.9); 4.1355 (1.9); 4.1198 (1.9); 4.0993 (1.3); 4.0833 (1.2); 3.3279 (453.0); 2.8982 (16.0); 2.7392 (14.8); 2.5128 (14.9); 2.5089 (19.4); 2.5050 (14.8); 2.4401 (8.2); 2.3526 (0.5); 2.3053 (0.7); 2.2816 (0.8); 2.1959 (11.5); 2.1663 (0.8)
I-276: ^{1}H-NMR(600.1 MHz, CD3CN):
δ = 7.9139 (16.0); 7.6812 (1.1); 7.6681 (3.8); 7.6551 (8.7); 7.6444 (0.9); 7.6418 (1.0); 7.3806 (4.4); 7.2973 (0.4); 7.2785 (1.8); 7.2753 (3.5); 7.2718 (2.5); 7.2633 (3.5); 7.2601 (2.7); 7.2391 (0.4); 7.1961 (0.9); 7.1919 (8.2); 7.1892 (3.3); 7.1780 (10.0); 7.1740 (1.8); 7.0453 (1.2); 7.0409 (11.3); 7.0376 (3.7); 7.0300 (3.0); 7.0267 (9.2); 7.0224 (1.2); 3.3253 (0.9); 3.3176 (1.9); 3.3125 (2.0); 3.3101 (1.3); 3.3049 (3.8); 3.2997 (1.3); 3.2973 (2.1); 3.2922 (2.0); 3.2846 (1.0); 2.4204 (1.2); 2.4079 (2.5); 2.3935 (2.6); 2.3810 (1.3); 2.1325 (35.2); 1.9633 (1.0); 1.9552 (2.3); 1.9511 (2.7); 1.9472 (15.4); 1.9431 (26.9); 1.9390 (39.3); 1.9349 (27.1); 1.9308 (14.0); 1.4302 (2.0); 1.4196 (2.5); 1.4176 (2.5); 1.4152 (2.3); 1.4070 (2.4); 1.4045 (2.7); 1.4026 (2.4); 1.3920 (2.1); 1.3877 (2.1); 1.2424 (2.0); 1.2348 (2.2); 1.2313 (3.2); 1.2237 (3.2); 1.2204 (2.1); 1.2127 (1.8); −0.0001 (2.4)
I-277: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.2798 (8.4); 7.8974 (1.0); 7.6259 (4.8); 7.6130 (4.6); 7.4474 (2.9); 7.4305 (0.4); 7.4211 (1.2); 7.4147 (1.2); 7.4082 (1.6); 7.4032 (1.4); 7.3987 (1.1); 7.3924 (0.8); 7.3233 (3.4); 7.2968 (2.5); 7.2861 (1.6); 7.2675 (3.0); 7.2595 (7.6); 7.2485 (2.1); 7.2410 (2.4); 7.2227 (0.8); 4.2218 (1.5); 4.2070 (1.4); 4.1861 (3.0); 4.1713 (3.0); 4.1504 (1.5); 4.1355 (1.5); 2.3340 (16.0); 1.5582 (2.5); −0.0002 (6.2)

TABLE 2-continued

I-278: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.2497 (0.8); 9.2342 (1.7); 9.2187 (0.8); 8.0383 (7.8); 8.0149 (5.1); 7.9530 (0.4); 7.7505 (4.8); 7.7297 (4.2); 7.6994 (1.8); 7.6795 (2.4); 7.6642 (5.3); 7.6597 (5.2); 7.5845 (1.8); 7.5625 (3.0); 7.5416 (2.9); 7.5133 (0.3); 7.4620 (1.7); 7.4408 (1.1); 7.3402 (0.4); 4.2107 (0.7); 4.1948 (0.7); 4.1736 (1.5); 4.1580 (1.5); 4.1372 (0.8); 4.1211 (0.9); 3.8864 (16.0); 3.3310 (194.3); 2.8914 (2.2); 2.7487 (0.3); 2.7322 (2.0); 2.6759 (0.6); 2.6719 (0.8); 2.6675 (0.6); 2.5526 (7.3); 2.5071 (103.9); 2.5027 (133.0); 2.4984 (98.7); 2.4517 (0.9); 2.3339 (0.6); 2.3292 (0.8); 2.3252 (0.6); 1.2399 (0.8); −0.0002 (0.3)
I-279: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5642 (0.4); 7.5381 (1.6); 7.5172 (7.1); 7.4883 (4.4); 7.4232 (2.2); 7.3974 (4.0); 7.3684 (3.2); 7.3582 (1.7); 7.3509 (1.0); 7.3446 (0.6); 7.3362 (0.9); 7.3292 (0.5); 7.2986 (2.2); 7.0356 (0.6); 7.0149 (1.1); 6.9942 (0.6); 4.2035 (1.0); 4.1825 (1.0); 4.1556 (2.1); 4.1345 (2.0); 4.1076 (1.1); 4.0865 (1.0); 2.7807 (2.6); 2.5718 (9.3); 2.5584 (16.0); 2.2061 (15.8); 1.9799 (0.4); 1.7622 (0.5); 1.2892 (0.4); 0.0326 (2.1)
I-280: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 10.0222 (6.0); 7.6718 (1.9); 7.6521 (3.5); 7.6322 (2.2); 7.6171 (7.2); 7.6119 (6.1); 7.6069 (5.8); 7.5993 (15.2); 7.5960 (16.0); 7.5853 (1.4); 7.5808 (1.3); 7.5636 (0.4); 7.5520 (0.3); 7.5321 (0.4); 7.4791 (1.6); 7.4581 (10.5); 7.4476 (10.5); 7.4185 (20.5); 7.3946 (13.7); 7.3904 (9.9); 7.3783 (5.7); 7.3687 (11.7); 7.3605 (5.0); 7.3519 (2.7); 7.3348 (14.8); 7.3061 (12.0); 7.2986 (16.2); 7.2924 (2.5); 7.2852 (6.5); 7.2781 (1.7); 7.2604 (2.1); 7.1143 (11.3); 7.0891 (9.4); 4.1926 (0.9); 4.1688 (2.7); 4.1449 (2.7); 4.1212 (1.0); 4.1008 (0.4); 4.0284 (4.0); 4.0082 (3.9); 3.9817 (8.6); 3.9615 (8.3); 3.9351 (4.4); 3.9149 (4.2); 3.1937 (0.5); 2.7896 (4.2); 2.0809 (13.1); 1.6715 (0.7); 1.6502 (0.6); 1.6229 (0.4); 1.3472 (0.4); 1.3201 (3.6); 1.2962 (8.9); 1.2725 (3.4); 0.9980 (0.4); 0.9736 (0.7); 0.9489 (0.4); 0.9432 (0.3); 0.9211 (0.9); 0.8975 (0.4); 0.0506 (0.4); 0.0398 (13.7); 0.0287 (0.5)
I-281: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.0686 (1.5); 9.0537 (3.2); 9.0387 (1.5); 7.9611 (0.9); 7.6320 (1.9); 7.6069 (16.0); 7.6011 (7.9); 7.5796 (9.9); 7.5060 (10.2); 7.4846 (7.2); 7.4781 (3.4); 7.4078 (5.3); 7.3603 (3.0); 7.3399 (2.6); 7.2282 (2.5); 7.0889 (5.5); 6.9496 (2.7); 4.1280 (1.5); 4.1128 (1.6); 4.0932 (3.3); 4.0780 (3.2); 4.0581 (1.8); 4.0430 (1.6); 3.3118 (30.2); 2.8985 (5.5); 2.7397 (4.9); 2.5130 (13.9); 2.5088 (18.5); 2.5045 (13.9); 2.3267 (0.7); 2.3142 (1.4); 2.3056 (1.6); 2.2935 (2.9); 2.2816 (1.8); 2.2731 (1.5); 2.2609 (0.8); 1.0984 (1.3); 1.0869 (3.4); 1.0805 (5.2); 1.0719 (3.4); 1.0663 (3.5); 1.0600 (4.6); 1.0518 (2.2); 1.0361 (0.6); 1.0303 (0.6); 1.0162 (0.7); 1.0069 (2.2); 0.9984 (5.1); 0.9932 (5.1); 0.9868 (5.7); 0.9807 (4.5); 0.9689 (1.4)
I-282: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.8914 (0.5); 8.1878 (1.4); 8.1399 (4.6); 7.7186 (0.8); 7.7153 (0.7); 7.6948 (0.9); 7.6917 (0.9); 7.6882 (0.8); 7.3665 (1.0); 7.3405 (2.2); 7.3141 (1.4); 7.2988 (12.6); 7.2731 (1.4); 7.0395 (1.2); 7.0136 (1.1); 6.9257 (0.8); 6.9227 (0.8); 6.9178 (1.1); 6.9148 (1.0); 6.8993 (0.5); 6.8914 (1.3); 6.8879 (1.5); 6.8841 (1.8); 6.8782 (2.0); 6.8712 (0.9); 6.7172 (1.0); 6.5310 (2.0); 6.3448 (1.0); 5.3368 (2.0); 4.1700 (0.7); 4.1462 (0.7); 4.0358 (0.9); 4.0166 (2.0); 4.0059 (0.7); 3.9959 (2.0); 3.9764 (1.0); 3.2272 (1.2); 3.2068 (1.9); 3.1869 (1.2); 2.7329 (15.0); 2.0825 (3.8); 2.0449 (1.7); 1.9703 (0.5); 1.9592 (0.5); 1.9424 (1.0); 1.9256 (0.6); 1.9143 (0.5); 1.6292 (16.0); 1.3198 (1.0); 1.2959 (2.0); 1.2721 (0.9); 1.0525 (0.7); 1.0373 (1.7); 1.0305 (1.9); 1.0249 (1.0); 1.0155 (1.0); 1.0088 (1.8); 1.0023 (1.6); 0.9876 (0.9); 0.7629 (0.8); 0.7476 (2.1); 0.7415 (1.9); 0.7311 (1.8); 0.7253 (2.3); 0.7091 (0.6); 0.1057 (1.5); 0.0465 (0.4); 0.0358 (12.0); 0.0249 (0.5)
I-283: ^{1}H-NMR(300.2 MHz, CDCl3):
δ =8.1101 (5.1); 7.9129 (0.4); 7.8936 (0.7); 7.8737 (0.4); 7.6676 (1.9); 7.6647 (2.0); 7.6351 (0.5); 7.6115 (1.0); 7.5897 (0.6); 7.5380 (0.5); 7.5099 (2.3); 7.4813 (3.5); 7.4423 (1.8); 7.4364 (1.7); 7.4248 (1.1); 7.4142 (0.9); 7.4082 (0.8); 7.3979 (1.4); 7.3708 (0.5); 7.2987 (9.0); 7.1322 (1.1); 6.9499 (2.2); 6.7675 (1.1); 5.3368 (1.2); 4.5031 (1.0); 4.4824 (1.0); 4.4559 (2.2); 4.4352 (2.1); 4.4086 (1.1); 4.3879 (1.0); 2.7532 (16.0); 1.5970 (8.1); 1.2945 (0.6); 0.1076 (0.7); 0.0482 (0.3); 0.0374 (8.9); 0.0265 (0.4)
I-284: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.0486 (0.8); 7.5807 (1.8); 7.5764 (2.6); 7.5719 (1.7); 7.4117 (1.1); 7.3841 (3.9); 7.3679 (2.8); 7.3621 (2.4); 7.3400 (0.7); 7.3341 (0.7); 7.2983 (16.9); 7.1332 (0.5); 7.1250 (0.4); 7.1098 (3.6); 7.0976 (2.0); 7.0937 (2.0); 7.0903 (2.3); 7.0847 (2.9); 7.0669 (0.4); 6.8353 (0.7); 6.8221 (0.7); 6.8146 (1.1); 6.8030 (1.2); 6.7906 (0.6); 6.7814 (0.6); 6.5242 (0.5); 6.5039 (0.8); 6.4836 (0.5); 6.0940 (0.5); 6.0833 (0.6); 6.0725 (0.6); 6.0619 (0.5); 5.9398 (0.5); 5.9286 (0.6); 5.9182 (0.6); 5.9071 (0.5); 4.2207 (0.4); 4.2098 (0.4); 4.1992 (0.4); 4.1875 (0.6); 4.1374 (0.4); 4.1265 (0.4); 4.1158 (0.4); 4.1048 (0.4); 4.0206 (0.4); 4.0005 (0.6); 3.9795 (0.4); 3.9720 (0.3); 3.9510 (0.5); 3.9428 (0.4); 3.9305 (0.3); 3.9227 (0.6); 3.9016 (0.4); 3.8940 (0.3); 3.8734 (0.5); 3.8525 (0.4); 2.9917 (6.8); 2.9179 (5.8); 2.9164 (5.4); 2.6317 (16.0); 2.6191 (1.6); 2.4618 (0.4); 2.3537 (1.3); 2.3368 (15.9); 2.1340 (0.6); 2.1232 (0.6); 2.1057 (1.1); 2.0883 (0.6); 2.0774 (0.6); 2.0602 (0.4); 1.2925 (0.4); 1.0627 (0.8); 1.0476 (2.1); 1.0407 (2.3); 1.0346 (1.2); 1.0261 (1.3); 1.0190 (2.3); 1.0124 (2.1); 0.9979 (1.1); 0.8146 (1.1); 0.7998 (2.5); 0.7969 (2.2); 0.7938 (2.4); 0.7826 (2.2); 0.7772 (2.6); 0.7607 (0.9); 0.0479 (0.7); 0.0371 (20.8); 0.0261 (0.9)
I-285: ^{1}H-NMR(499.9 MHz, CDCl3):
δ =7.5413 (0.4); 7.5256 (2.0); 7.5127 (5.1); 7.4441 (0.5); 7.4320 (2.3); 7.3927 (0.4); 7.3840 (1.0); 7.3792 (1.6); 7.3751 (1.2); 7.3660 (1.1); 7.3492 (0.5); 7.3408 (2.0); 7.3339 (0.6); 7.3248 (2.2); 7.2597 (6.0); 7.0387 (3.0); 6.9582 (2.6); 6.9443 (2.0); 5.2972 (2.1); 4.5276 (1.1); 4.5213 (1.2); 4.5063 (1.5); 4.5000 (1.5); 4.3956 (1.4); 4.3824 (1.5); 4.3744 (1.1); 4.3611 (1.1); 4.2179 (0.6); 4.2052 (0.6); 4.1883 (0.9); 4.1756 (1.0); 4.1538 (1.0); 4.1416 (1.0); 4.1236 (1.3); 4.1119 (1.5); 3.8576 (0.3); 3.5145 (4.7); 3.5038 (4.6); 3.3943 (16.0); 3.3648 (3.0); 3.3529 (1.0); 2.4705 (7.8); 2.2826 (9.8); 1.5840 (1.2); 1.2558 (0.4); −0.0002 (6.1)
I-286: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 8.8440 (1.2); 8.8297 (2.3); 8.8153 (1.2); 8.3150 (0.5); 8.0710 (16.0); 7.7418 (1.1); 7.7225 (3.4); 7.7030 (3.7); 7.6910 (4.1); 7.6713 (1.4); 7.6376 (4.4); 7.5752 (2.6); 7.5554 (1.9); 7.2116 (1.2); 7.2036 (1.4); 7.1969 (1.4); 7.1889 (2.5); 7.1809 (1.4); 7.1742 (1.3); 7.1663 (1.3); 7.1420 (1.1); 7.1305 (1.2); 7.1192 (2.6); 7.1076 (2.6); 7.0961 (1.7); 7.0846 (1.6); 7.0339 (0.9); 7.0246 (1.4); 7.0141 (1.4); 7.0039 (2.0); 6.9957 (1.1); 6.9822 (0.9); 6.9734 (0.5); 3.9029 (0.9); 3.5966 (1.8); 3.5799 (4.8); 3.5646 (4.9); 3.5481 (1.9); 3.3286 (95.0); 2.8954 (2.8); 2.8785 (5.5); 2.8618 (2.6); 2.6760 (0.8); 2.6714 (1.0);

TABLE 2-continued

2.6669 (0.8); 2.6622 (0.4); 2.5249 (3.9); 2.5200 (6.2); 2.5115 (70.3); 2.5071 (137.6); 2.5026 (175.9); 2.4980 (124.7); 2.4935 (59.6); 2.3339 (0.7); 2.3293 (1.0); 2.3248 (0.7); 2.3204 (0.4); 1.3383 (0.4); 1.3206 (0.6); 1.3028 (0.3); 1.2442 (0.4); 1.2349 (0.3); −0.0002 (0.8)

I-287: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.2968 (11.8); 7.8416 (0.8); 7.8237 (1.4); 7.8055 (0.8); 7.3728 (3.4); 7.3463 (4.0); 7.3048 (2.9); 7.1670 (1.4); 7.1608 (2.4); 7.1536 (1.7); 7.1396 (1.4); 7.1335 (2.5); 7.1262 (1.7); 7.0908 (5.3); 7.0862 (4.7); 7.0799 (3.8); 7.0737 (1.7); 7.0242 (2.2); 6.9976 (1.9); 6.9514 (1.6); 6.9440 (2.8); 6.9367 (1.4); 6.9222 (1.6); 6.9148 (2.8); 6.9075 (1.4); 4.2977 (1.9); 4.2780 (1.8); 4.2497 (4.0); 4.2299 (3.9); 4.2017 (2.0); 4.1819 (1.9); 2.5121 (11.6); 2.5049 (6.5); 2.3510 (16.0); 1.6531 (4.2); 0.0442 (2.6)

I-288: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.0859 (10.8); 8.0260 (1.2); 7.6760 (0.4); 7.6488 (2.3); 7.6282 (6.6); 7.6123 (0.6); 7.5162 (2.9); 7.4801 (0.4); 7.4609 (4.1); 7.4534 (2.4); 7.4462 (1.8); 7.4321 (8.5); 7.4256 (3.9); 7.2986 (70.9); 7.2658 (2.8); 7.2590 (2.6); 7.2380 (2.0); 7.2312 (1.9); 6.9478 (0.4); 6.1430 (0.8); 6.1320 (0.9); 6.1190 (0.8); 6.1083 (0.8); 5.9879 (0.9); 5.9765 (0.8); 5.9640 (0.9); 5.9530 (0.8); 5.3382 (15.6); 4.3547 (0.5); 4.3446 (0.5); 4.3330 (0.4); 4.3215 (0.5); 4.3062 (0.6); 4.2954 (0.7); 4.2837 (0.6); 4.2727 (0.6); 4.2654 (0.6); 4.2539 (0.5); 4.2424 (0.5); 4.2313 (0.5); 4.2163 (0.6); 4.2056 (0.6); 4.1939 (0.7); 4.1829 (0.6); 3.9083 (0.5); 3.8913 (0.6); 3.8849 (0.6); 3.8675 (0.6); 3.8596 (0.5); 3.8368 (1.0); 3.8197 (1.0); 3.7964 (0.6); 3.7885 (0.6); 3.7715 (0.6); 3.7650 (0.6); 3.7478 (0.4); 2.2941 (0.5); 2.2765 (0.8); 2.2678 (1.0); 2.2597 (0.7); 2.2505 (2.1); 2.2396 (0.8); 2.2315 (0.9); 2.2248 (1.1); 2.2061 (0.5); 2.0837 (1.6); 2.0456 (1.5); 1.5762 (16.0); 1.3216 (0.4); 1.2979 (0.8); 1.2096 (1.7); 1.2010 (4.8); 1.1918 (5.2); 1.1871 (7.4); 1.1791 (4.1); 1.1666 (2.8); 1.1609 (4.3); 1.1520 (2.0); 1.1298 (0.4); 0.0492 (3.0); 0.0384 (79.1); 0.0275 (3.1); −0.1600 (0.3)

I-289: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.1846 (0.4); 9.1693 (0.8); 9.1540 (0.4); 7.9611 (0.6); 7.7189 (0.3); 7.6991 (1.0); 7.6795 (0.8); 7.6528 (1.0); 7.6333 (0.5); 7.5756 (1.6); 7.5543 (2.2); 7.4724 (1.3); 7.4589 (0.8); 7.4313 (2.4); 7.4099 (1.6); 4.2009 (0.4); 4.1856 (0.4); 4.1649 (0.8); 4.1494 (0.8); 4.1287 (0.4); 4.1132 (0.4); 3.3110 (23.5); 2.9058 (16.0); 2.8994 (5.5); 2.7399 (3.8); 2.5134 (4.4); 2.5091 (6.1); 2.5047 (4.5)

I-290: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.0737 (1.2); 9.0585 (2.4); 9.0431 (1.2); 7.9611 (0.6); 7.6277 (1.4); 7.6080 (3.3); 7.5883 (2.2); 7.5678 (10.1); 7.4884 (2.8); 7.4692 (2.1); 7.4021 (4.0); 7.3682 (2.3); 7.3480 (2.0); 7.3242 (3.5); 7.3042 (3.8); 7.2268 (1.9); 7.0870 (7.1); 6.9619 (2.4); 6.9478 (3.0); 4.1144 (1.2); 4.0989 (1.2); 4.0777 (2.6); 4.0621 (2.6); 4.0405 (1.4); 4.0250 (1.3); 3.3119 (21.2); 2.8985 (3.6); 2.7398 (3.2); 2.5130 (9.8); 2.5088 (13.1); 2.5046 (10.0); 2.4245 (11.5); 2.3261 (0.5); 2.3139 (1.1); 2.3055 (1.3); 2.2934 (2.2); 2.2814 (1.4); 2.2729 (1.2); 2.2610 (0.9); 2.2362 (16.0); 2.1863 (0.4); 1.1017 (0.9); 1.0903 (2.6); 1.0838 (3.8); 1.0751 (2.4); 1.0697 (2.7); 1.0634 (3.5); 1.0550 (1.6); 1.0390 (0.5); 1.0262 (0.4); 1.0191 (0.4); 1.0025 (1.6); 0.9938 (3.8); 0.9884 (3.8); 0.9823 (4.2); 0.9761 (3.4); 0.9644 (1.0)

I-291: ^{1}H-NMR(600.4 MHz, d_6-DMSO):
δ = 8.7712 (0.8); 8.7615 (1.5); 8.7519 (0.7); 8.1155 (1.2); 8.0769 (9.3); 7.8052 (4.3); 7.8023 (4.4); 7.7212 (3.0); 7.0755 (0.4); 7.0622 (0.4); 7.0538 (2.5); 7.0410 (2.8); 6.9820 (0.4); 6.9426 (2.9); 6.8398 (1.5); 6.8267 (1.4); 5.7519 (1.3); 3.4713 (1.2); 3.4605 (2.2); 3.4475 (2.2); 3.4372 (1.3); 3.4240 (0.3); 3.4088 (0.3); 3.3409 (0.3); 3.3075 (333.4); 3.2861 (0.6); 2.8080 (2.1); 2.7954 (3.3); 2.7835 (2.0); 2.6153 (1.3); 2.6123 (1.8); 2.6093 (1.2); 2.6062 (0.6); 2.5213 (3.2); 2.5182 (3.9); 2.5151 (3.9); 2.5063 (105.8); 2.5033 (221.5); 2.5003 (303.0); 2.4973 (220.7); 2.4943 (104.7); 2.3873 (1.3); 2.3842 (1.8); 2.3812 (1.3); 2.2817 (0.6); 2.2763 (2.1); 2.2646 (16.0); 2.2333 (2.2); 2.2234 (0.6); 2.1938 (13.7); 1.9073 (0.4); 1.2588 (0.4); 1.2366 (0.4); 0.8763 (0.6); 0.8632 (0.5); 0.0053 (0.8); −0.0001 (29.2); −0.0057 (1.0)

I-292: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.1727 (1.8); 9.1572 (3.6); 9.1413 (1.7); 8.5198 (16.0); 7.9590 (2.2); 7.8018 (1.3); 7.7825 (4.1); 7.7624 (6.1); 7.7561 (5.9); 7.7365 (1.8); 7.7090 (5.8); 7.6321 (3.6); 7.6132 (2.8); 7.5871 (7.7); 7.5657 (9.6); 7.4239 (9.3); 7.4027 (7.3); 4.1895 (1.8); 4.1738 (1.9); 4.1549 (3.9); 4.1392 (3.8); 4.1200 (2.0); 4.1042 (1.9); 3.3172 (71.1); 2.8968 (14.2); 2.7373 (12.6); 2.6806 (0.8); 2.6763 (1.0); 2.5116 (110.7); 2.5073 (141.1); 2.5030 (102.6); 2.3385 (0.6); 2.3342 (0.8); 2.3298 (0.6)

I-293: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 7.5531 (0.5); 7.5341 (1.5); 7.5150 (3.2); 7.4926 (0.7); 7.4742 (2.2); 7.4329 (1.0); 7.4281 (1.4); 7.4099 (0.9); 7.3216 (0.9); 7.3090 (0.5); 7.2594 (8.3); 7.0747 (1.7); 7.0555 (2.2); 6.9851 (2.4); 6.9376 (1.4); 6.9186 (1.0); 3.7538 (1.1); 3.7365 (2.6); 3.7212 (2.6); 3.7039 (1.1); 3.6803 (1.9); 3.6661 (3.4); 3.6518 (2.0); 3.1548 (16.0); 2.9951 (2.1); 2.9807 (3.4); 2.9667 (1.9); 2.9325 (1.8); 2.9150 (3.4); 2.8974 (1.6); 2.3146 (11.8); 2.3011 (0.5); 2.2701 (10.9); 1.5593 (12.8); −0.0002 (4.8)

I-294: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5688 (0.3); 7.5429 (1.2); 7.5185 (2.8); 7.4904 (0.4); 7.4549 (2.0); 7.4306 (0.9); 7.4235 (1.3); 7.4166 (0.7); 7.3993 (0.9); 7.3905 (2.0); 7.3635 (1.9); 7.2986 (4.2); 7.0856 (1.9); 7.0004 (1.0); 6.9740 (0.9); 6.4226 (0.4); 6.4025 (0.8); 6.3823 (0.5); 4.2819 (0.9); 4.2611 (0.9); 4.2452 (0.4); 4.2333 (2.0); 4.2124 (1.9); 4.1847 (1.1); 4.1638 (1.1); 4.1408 (1.2); 4.1290 (0.4); 4.1258 (0.4); 4.0981 (16.0); 2.5283 (5.9); 2.3794 (0.5); 2.3277 (7.5); 2.2898 (1.1); 2.2246 (15.8); 1.6079 (3.1); 1.2950 (0.7); 0.9202 (0.4); 0.0382 (4.0)

I-295: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 8.9917 (1.8); 8.9774 (3.8); 8.9629 (1.9); 7.9609 (1.9); 7.6527 (16.0); 7.6457 (7.6); 7.6294 (2.4); 7.6095 (5.0); 7.5898 (3.4); 7.5681 (5.6); 7.5471 (7.2); 7.5335 (0.4); 7.4899 (4.3); 7.4707 (3.3); 7.4190 (6.1); 7.4037 (4.7); 7.3988 (4.5); 7.3825 (6.4); 7.3779 (6.6); 7.3601 (3.0); 7.2234 (2.9); 7.0841 (6.1); 6.9448 (3.0); 6.0565 (1.2); 6.0438 (2.3); 6.0309 (1.3); 5.9407 (1.2); 5.9286 (2.2); 5.9153 (1.3); 3.8813 (1.8); 3.8696 (3.6); 3.8552 (2.3); 3.8287 (1.6); 3.8222 (1.7); 3.8133 (3.1); 3.7983 (1.9); 3.3117 (38.9); 2.8986 (11.4); 2.7398 (10.4); 2.5130 (15.9); 2.5088 (21.3); 2.5047 (16.3); 2.3308 (0.8); 2.3184 (1.6); 2.3099 (1.8); 2.2978 (3.2); 2.2858 (2.0); 2.2774 (1.8); 2.2651 (0.9); 1.1048 (1.4); 1.0932 (3.9); 1.0868 (5.8); 1.0782 (3.8); 1.0726 (4.0); 1.0664 (5.2); 1.0582 (2.5); 1.0420 (0.7); 1.0368 (0.7); 1.0219 (0.7); 1.0131 (2.5); 1.0045 (5.7); 0.9992 (5.9); 0.9929 (6.5); 0.9868 (5.2); 0.9749 (1.6)

I-296: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5955 (0.7); 7.5741 (2.4); 7.5383 (1.1); 7.5021 (0.5); 7.4928 (0.8); 7.4854 (0.5); 7.4707 (0.4); 7.4262 (2.0); 7.4047 (0.8); 7.3986 (2.4); 7.2987 (7.2); 7.1871 (1.8); 7.1605 (1.5); 6.3481 (0.9); 2.9875 (0.7); 2.9088 (0.6); 2.4717 (11.0); 2.3629 (6.9); 1.8664 (16.0); 1.5877 (2.4); 0.1091 (0.5); 0.0392 (7.0)

TABLE 2-continued

I-297: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.0483 (1.2); 9.0337 (2.6); 9.0190 (1.3); 8.3366 (0.8); 8.1057 (16.0); 7.7857 (0.9); 7.7660 (2.8); 7.7466 (2.6); 7.7286 (3.5); 7.7108 (5.7); 7.6253 (2.3); 7.6049 (1.9); 7.5403 (5.5); 7.5197 (7.5); 7.4117 (6.9); 7.3907 (5.1); 5.8117 (0.8); 5.8004 (1.1); 5.7957 (1.0); 5.7844 (0.9); 5.7768 (3.7); 5.6937 (0.8); 5.6829 (1.1); 5.6773 (1.0); 5.6667 (0.9); 5.2375 (0.5); 3.8897 (0.4); 3.8695 (0.8); 3.8537 (1.5); 3.8384 (1.4); 3.8316 (1.1); 3.8284 (1.1); 3.8181 (1.4); 3.8032 (1.3); 3.7959 (0.5); 3.7871 (0.9); 3.7819 (1.0); 3.7676 (1.0); 3.7567 (0.8); 3.7463 (0.3); 3.7317 (0.3); 3.3428 (118.6); 3.3197 (0.4); 2.7025 (0.4); 2.6980 (0.8); 2.6935 (1.1); 2.6889 (0.8); 2.6842 (0.4); 2.5470 (3.1); 2.5423 (4.5); 2.5335 (59.7); 2.5290 (125.1); 2.5243 (174.4); 2.5198 (133.4); 2.5153 (66.2); 2.3603 (0.4); 2.3558 (0.8); 2.3513 (1.1); 2.3467 (0.8); 2.3423 (0.4); 1.2818 (0.5); 1.2569 (6.8); 0.8766 (0.6); 0.0225 (0.6); −0.0002 (2.9)
I-298: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.2285 (1.8); 9.2131 (3.6); 9.1974 (1.7); 8.4844 (16.0); 7.9589 (1.9); 7.8676 (6.2); 7.8638 (6.4); 7.8061 (1.4); 7.7865 (4.2); 7.7669 (5.2); 7.7585 (5.7); 7.7388 (1.8); 7.7062 (5.9); 7.6227 (3.4); 7.6034 (2.6); 7.5081 (5.0); 7.4869 (6.9); 7.3799 (3.9); 7.3758 (3.9); 7.3590 (2.9); 7.3546 (2.9); 4.3265 (1.7); 4.3106 (1.8); 4.2917 (3.7); 4.2760 (3.6); 4.2568 (1.9); 4.2411 (1.8); 3.3730 (0.3); 3.3171 (77.4); 2.8969 (12.0); 2.7374 (10.7); 2.6765 (1.0); 2.6717 (0.8); 2.5117 (125.2); 2.5074 (163.0); 2.5031 (119.8); 2.3386 (0.7); 2.3342 (1.0); 2.3298 (0.7)
I-299: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.2141 (0.9); 9.1984 (1.9); 9.1826 (0.9); 8.1057 (5.0); 8.0262 (8.7); 7.9525 (2.2); 7.8244 (5.6); 7.7281 (0.6); 7.7080 (1.9); 7.6880 (3.2); 7.6819 (3.0); 7.6670 (3.8); 7.5800 (2.0); 7.5607 (1.4); 7.4808 (3.2); 7.4062 (2.3); 7.3856 (3.4); 7.3121 (1.9); 7.2907 (1.3); 4.1584 (0.9); 4.1430 (0.9); 4.1212 (1.9); 4.1056 (1.8); 4.0841 (0.9); 4.0682 (0.9); 3.8589 (16.0); 3.3250 (70.8); 2.8906 (14.6); 2.7481 (0.4); 2.7313 (12.6); 2.6754 (0.5); 2.6708 (0.6); 2.6663 (0.5); 2.5240 (2.2); 2.5106 (41.5); 2.5063 (81.5); 2.5018 (107.2); 2.4973 (80.2); 2.4930 (40.7); 2.4681 (8.8); 2.3330 (0.5); 2.3286 (0.7); 2.3242 (0.6); 1.2398 (0.9)
I-300: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.2364 (16.0); 7.8001 (1.4); 7.7863 (2.4); 7.7722 (1.4); 7.6331 (1.8); 7.6158 (3.4); 7.5983 (2.2); 7.5842 (1.9); 7.5640 (3.7); 7.5464 (2.3); 7.4767 (7.2); 7.4554 (11.5); 7.3886 (11.3); 7.3673 (7.0); 7.2617 (3.0); 4.2208 (2.8); 4.2055 (2.8); 4.1858 (6.0); 4.1705 (5.9); 4.1507 (3.1); 4.1354 (3.0); 1.6068 (1.6); 1.2597 (0.9); −0.0002 (2.3)
I-301: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.2264 (0.8); 9.2110 (1.7); 9.1954 (0.8); 7.9612 (2.4); 7.6802 (0.7); 7.6605 (1.9); 7.6408 (1.5); 7.6049 (2.0); 7.5857 (1.1); 7.4689 (2.6); 7.4489 (1.6); 7.4290 (1.3); 7.2999 (2.1); 7.2799 (2.4); 7.0966 (0.4); 7.0847 (1.3); 7.0691 (3.4); 6.9152 (1.4); 6.8958 (1.4); 4.1172 (0.7); 4.1026 (0.7); 4.0794 (1.5); 4.0638 (1.5); 4.0407 (0.8); 4.0254 (0.8); 3.3117 (53.5); 2.8991 (16.0); 2.8142 (6.8); 2.8014 (7.0); 2.7402 (14.4); 2.5136 (9.2); 2.5092 (12.8); 2.5049 (9.9); 2.4036 (7.1); 2.2302 (9.7)
I-302: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.1239 (1.2); 9.1040 (1.2); 7.7915 (6.0); 7.7249 (0.6); 7.7052 (1.6); 7.6858 (1.4); 7.6465 (1.8); 7.6259 (3.0); 7.6241 (3.0); 7.5693 (1.3); 7.5481 (1.0); 7.4475 (1.9); 7.4429 (0.9); 7.4336 (2.2); 7.4261 (2.4); 7.4172 (1.0); 7.4121 (2.1); 7.1251 (2.4); 7.1200 (0.8); 7.1083 (0.9); 7.1029 (4.5); 7.0858 (0.7); 7.0806 (2.2); 5.1499 (0.8); 5.1316 (1.2); 5.1134 (0.8); 3.3534 (16.9); 3.3485 (18.8); 3.3447 (19.2); 2.8911 (2.1); 2.7324 (1.9); 2.6073 (16.0); 2.5131 (6.5); 2.5087 (13.8); 2.5042 (18.6); 2.4997 (13.5); 2.4952 (6.5); 1.4371 (6.4); 1.4196 (6.3); −0.0002 (0.4)
I-303: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5862 (11.0); 7.5599 (11.7); 7.4913 (6.9); 7.4160 (5.2); 7.3923 (16.3); 7.3873 (16.2); 7.3585 (1.3); 7.2974 (6.3); 7.1929 (0.5); 7.1685 (0.5); 6.6486 (2.1); 6.6303 (3.4); 6.0629 (1.8); 6.0535 (1.7); 6.0392 (1.9); 6.0303 (1.4); 5.9070 (1.8); 5.8978 (1.7); 5.8835 (1.9); 5.8741 (1.3); 4.2674 (0.8); 4.2577 (0.8); 4.2455 (0.9); 4.2354 (0.8); 4.2183 (1.2); 4.2084 (1.1); 4.1958 (1.2); 4.1862 (1.1); 4.1758 (1.0); 4.1659 (0.9); 4.1538 (1.0); 4.1438 (0.8); 4.1267 (1.2); 4.1168 (1.1); 4.1045 (1.1); 4.0949 (0.8); 3.9308 (0.9); 3.9117 (1.3); 3.8874 (1.2); 3.8594 (1.8); 3.8396 (2.3); 3.8167 (1.5); 3.7913 (1.0); 3.7671 (0.5); 3.1037 (0.4); 3.0812 (0.6); 3.0600 (0.3); 2.8435 (0.4); 2.8179 (1.0); 2.7996 (1.7); 2.7925 (1.8); 2.7753 (4.2); 2.7517 (5.8); 2.7274 (4.2); 2.7091 (1.7); 2.6842 (0.8); 2.0314 (0.5); 1.6537 (1.3); 1.3836 (0.5); 1.3266 (8.1); 1.3017 (16.0); 1.2769 (7.3); 0.0345 (5.9)
I-304: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.0363 (1.6); 7.6740 (2.1); 7.6708 (2.1); 7.6684 (2.1); 7.5589 (0.5); 7.5352 (1.1); 7.5153 (0.7); 7.4966 (2.1); 7.4684 (2.9); 7.4380 (0.5); 7.4137 (1.1); 7.4111 (1.1); 7.3901 (0.9); 7.3608 (1.5); 7.3458 (1.6); 7.3391 (2.1); 7.3177 (1.2); 7.3110 (1.4); 7.2985 (15.2); 7.0977 (1.2); 6.9150 (2.4); 6.7324 (1.2); 6.4557 (0.5); 6.4345 (0.9); 6.4132 (0.5); 4.4928 (1.1); 4.4711 (1.0); 4.4454 (2.3); 4.4239 (2.2); 4.3982 (1.2); 4.3766 (1.1); 2.9890 (13.3); 2.9119 (11.8); 2.6448 (0.6); 2.6287 (16.0); 2.3049 (15.8); 1.6140 (3.5); 0.1064 (1.0); 0.0474 (0.6); 0.0366 (14.6); 0.0257 (0.4)
I-305: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.2815 (0.7); 8.2781 (0.8); 8.2745 (0.9); 8.2712 (0.7); 8.2544 (0.8); 8.2509 (0.9); 8.2473 (1.0); 8.2440 (0.8); 8.1512 (4.3); 8.1399 (2.1); 8.1326 (1.0); 7.9248 (0.3); 7.9044 (0.6); 7.8860 (0.3); 7.7487 (0.9); 7.7215 (2.1); 7.6943 (1.3); 7.6730 (1.7); 7.6345 (1.1); 7.6310 (1.1); 7.6268 (1.1); 7.6235 (0.9); 7.6072 (0.7); 7.6037 (0.6); 7.5995 (0.7); 7.5962 (0.5); 7.5246 (0.9); 7.4964 (2.7); 7.4711 (1.5); 7.4655 (1.4); 7.4427 (0.5); 7.4372 (0.5); 7.3038 (11.2); 5.3429 (0.4); 4.5082 (0.8); 4.4876 (0.8); 4.4598 (1.6); 4.4393 (1.6); 4.4114 (0.8); 4.3910 (0.8); 2.7765 (12.3); 1.6085 (16.0); 1.3010 (0.4); 1.2950 (0.4); 0.1111 (0.4); 0.0518 (0.3); 0.0410 (9.8)
I-306: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.9745 (2.9); 8.9671 (2.9); 8.3872 (7.9); 8.2036 (2.4); 8.1986 (2.5); 8.1610 (2.5); 8.1333 (2.3); 7.8510 (1.5); 7.8240 (1.9); 7.7988 (1.0); 7.7941 (0.9); 7.7757 (1.5); 7.7708 (1.8); 7.7659 (0.9); 7.7476 (1.2); 7.7428 (1.0); 7.6426 (4.5); 7.6394 (4.1); 7.6256 (4.1); 7.6117 (2.2); 7.5984 (0.4); 7.5882 (0.9); 7.5848 (0.8); 7.5220 (2.2); 7.4551 (0.9); 7.4468 (1.0); 7.4372 (1.3); 7.4306 (1.1); 7.4249 (0.8); 7.4164 (0.6); 7.3041 (14.2); 5.3419 (5.4); 4.9718 (4.5); 4.9519 (4.5); 1.6342 (16.0); 0.1126 (0.3); 0.0529 (0.5); 0.0421 (13.1); 0.0312 (0.5)

TABLE 2-continued

I-307: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 8.8520 (6.0); 7.9013 (0.5); 7.8898 (0.9); 7.8784 (0.5); 7.6495 (0.4); 7.6337 (1.6); 7.6206 (4.1); 7.6093 (0.4); 7.6077 (0.4); 7.4977 (2.1); 7.4833 (2.7); 7.4661 (3.8); 7.4371 (0.8); 7.4322 (1.4); 7.4279 (0.9); 7.4257 (0.6); 7.4233 (0.6); 7.4192 (1.0); 7.4147 (0.6); 7.3879 (3.6); 7.3709 (2.6); 7.2627 (2.3); 5.2967 (2.5); 4.2296 (0.9); 4.2174 (0.9); 4.2011 (2.0); 4.1890 (1.9); 4.1726 (1.0); 4.1605 (0.9); 4.0683 (16.0); 3.9452 (0.3); 2.3750 (0.5); 2.3619 (15.1); 1.5878 (0.9); −0.0002 (2.2)
I-308: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ =9.1918 (1.3); 9.1765 (2.7); 9.1611 (1.3); 7.9612 (1.2); 7.6768 (1.1); 7.6570 (3.2); 7.6372 (2.5); 7.6026 (3.2); 7.5828 (1.7); 7.4505 (4.3); 7.4332 (2.6); 7.4132 (2.0); 7.2901 (3.5); 7.2702 (3.9); 7.0624 (4.4); 6.9041 (2.3); 6.8837 (2.1); 5.7996 (4.1); 5.7854 (4.2); 4.5715 (1.5); 4.5522 (2.5); 4.5306 (2.1); 4.4664 (0.4); 4.4406 (1.4); 4.4259 (1.2); 4.4158 (0.7); 4.1313 (2.6); 4.1222 (2.6); 4.1057 (2.8); 4.0984 (3.2); 4.0853 (1.4); 4.0614 (2.4); 4.0460 (2.3); 4.0229 (1.3); 4.0077 (1.2); 3.3113 (79.2); 2.8990 (7.6); 2.7399 (6.8); 2.5134 (15.7); 2.5090 (21.6); 2.5047 (16.1); 2.4032 (11.6); 2.2479 (0.4); 2.2254 (16.0)
I-309: ^{1}H-NMR(400.2 MHz, CDCl3):
δ = 8.2884 (16.0); 7.6225 (2.9); 7.6066 (11.9); 7.5882 (4.7); 7.5685 (1.4); 7.3534 (5.8); 7.3226 (3.4); 7.3016 (13.7); 7.2892 (14.6); 7.2629 (15.1); 7.2230 (3.1); 7.2103 (2.3); 7.2053 (3.3); 6.6469 (3.2); 6.5059 (6.5); 6.3648 (3.2); 3.8571 (2.8); 3.8412 (6.7); 3.8257 (6.7); 3.8095 (2.9); 3.0235 (4.5); 3.0069 (8.3); 2.9902 (4.1); 1.6023 (2.4); 1.2532 (1.6); −0.0001 (10.1); −0.0082 (0.3)
I-310: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.1069 (1.4); 9.0869 (1.4); 7.9515 (0.4); 7.7863 (5.0); 7.7231 (0.6); 7.7033 (1.7); 7.6834 (1.4); 7.6510 (4.0); 7.6304 (1.1); 7.5786 (1.4); 7.5587 (1.0); 7.2181 (1.0); 7.1977 (2.3); 7.1775 (1.4); 6.9698 (3.8); 6.9525 (1.7); 6.7936 (1.3); 6.7761 (1.2); 6.7702 (1.2); 5.1281 (0.8); 5.1094 (1.2); 5.0911 (0.8); 3.6567 (16.0); 3.3556 (34.1); 3.3510 (34.1); 3.3477 (32.7); 2.8901 (2.1); 2.7317 (2.0); 2.6061 (13.6); 2.5068 (15.0); 2.5031 (20.0); 2.4990 (15.8); 1.4343 (5.7); 1.4169 (5.7)
I-311: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.3533 (2.8); 7.3462 (2.9); 7.2986 (11.0); 7.2419 (2.3); 7.2145 (2.8); 7.1351 (0.5); 7.1077 (2.3); 7.1017 (1.6); 7.0884 (3.6); 7.0810 (1.5); 7.0732 (1.5); 7.0538 (0.4); 6.9914 (1.8); 6.9842 (1.7); 6.9641 (1.4); 6.9569 (1.4); 6.8377 (0.7); 6.8243 (0.7); 6.8164 (0.9); 6.8072 (1.1); 6.7912 (0.6); 6.7840 (0.6); 6.2222 (0.4); 6.2025 (0.7); 6.1838 (0.4); 3.8711 (1.0); 3.8499 (2.8); 3.8280 (2.8); 3.8066 (1.2); 3.1276 (2.0); 3.1054 (3.5); 3.0836 (1.8); 2.6154 (16.0); 2.3523 (15.9); 2.2021 (0.4); 2.1078 (0.5); 2.0967 (0.6); 2.0795 (1.0); 2.0622 (0.6); 2.0511 (0.6); 2.0422 (1.1); 1.6062 (2.5); 1.0613 (0.7); 1.0461 (1.9); 1.0392 (2.1); 1.0332 (1.1); 1.0246 (1.2); 1.0174 (2.1); 1.0107 (1.9); 0.9963 (1.0); 0.8123 (1.0); 0.7974 (2.2); 0.7911 (2.2); 0.7804 (2.0); 0.7748 (2.4); 0.7583 (0.8); 0.1072 (1.0); 0.0482 (0.4); 0.0374 (12.4); 0.0265 (0.5)
I-312: ^{1}H-NMR(400.0 MHz, CD3CN):
δ = 7.7417 (1.6); 7.7069 (6.6); 7.7047 (6.6); 7.6964 (16.0); 7.6762 (4.0); 7.6564 (3.6); 7.6375 (4.5); 7.6182 (1.8); 7.5264 (5.1); 7.4719 (4.4); 7.4506 (9.1); 7.4273 (2.4); 7.3808 (3.8); 7.3766 (3.6); 7.3596 (2.4); 7.3554 (2.3); 4.3448 (2.7); 4.3285 (2.7); 4.3112 (5.6); 4.2948 (5.5); 4.2775 (2.8); 4.2611 (2.7); 2.2665 (0.8); 2.2541 (1.6); 2.2457 (1.9); 2.2334 (3.0); 2.2213 (1.9); 2.2130 (1.8); 2.2006 (0.9); 2.1302 (47.6); 2.1130 (1.1); 2.1067 (0.9); 2.1005 (0.6); 1.9635 (4.2); 1.9573 (9.7); 1.9516 (51.2); 1.9455 (94.0); 1.9393 (126.6); 1.9331 (87.6); 1.9270 (45.1); 1.7740 (0.6); 1.7677 (0.7); 1.7616 (0.5); 1.1093 (1.3); 1.1039 (1.3); 1.0967 (3.6); 1.0904 (6.0); 1.0826 (3.3); 1.0759 (3.8); 1.0700 (5.3); 1.0621 (2.9); 1.0572 (1.5); 1.0488 (1.1); 1.0379 (2.9); 1.0301 (6.6); 1.0249 (5.6); 1.0179 (6.3); 1.0116 (4.7); 0.9991 (1.3); −0.0002 (14.0)
I-313: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.2708 (0.8); 8.2671 (1.0); 8.2638 (1.0); 8.2605 (0.7); 8.2440 (0.9); 8.2401 (1.1); 8.2369 (1.1); 8.2335 (0.8); 8.1779 (4.2); 8.1423 (1.3); 8.1352 (2.1); 8.1280 (1.1); 7.9416 (0.7); 7.9226 (0.4); 7.7338 (0.9); 7.7066 (2.1); 7.6797 (1.5); 7.6422 (1.3); 7.6384 (1.4); 7.6346 (1.3); 7.6312 (1.0); 7.6150 (0.6); 7.6112 (0.6); 7.6074 (0.7); 7.6039 (0.5); 7.3856 (1.6); 7.3589 (1.8); 7.3040 (10.7); 7.0845 (1.9); 7.0149 (1.1); 6.9883 (0.9); 5.3431 (1.8); 4.3221 (0.9); 4.3025 (0.8); 4.2736 (1.8); 4.2539 (1.7); 4.2251 (0.9); 4.2053 (0.9); 2.7774 (13.0); 2.5218 (5.4); 2.3275 (7.6); 1.6100 (16.0); 0.1120 (0.3); 0.0524 (0.4); 0.0417 (9.2); 0.0308 (0.3)
I-314: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.3173 (15.8); 8.0135 (1.2); 7.9938 (2.2); 7.9750 (1.3); 7.6882 (7.3); 7.6710 (9.2); 7.6460 (0.4); 7.5472 (4.9); 7.5161 (0.6); 7.5038 (2.2); 7.4941 (2.0); 7.4879 (2.8); 7.4814 (2.5); 7.4732 (1.8); 7.4652 (1.3); 7.4327 (4.9); 7.4057 (5.4); 7.3039 (13.7); 7.0301 (5.6); 6.9468 (3.1); 6.9198 (2.8); 4.3067 (2.3); 4.2867 (2.3); 4.2580 (4.9); 4.2381 (4.6); 4.2093 (2.5); 4.1894 (2.4); 3.9643 (0.5); 2.5430 (16.0); 2.4086 (0.6); 2.3697 (1.0); 2.3518 (1.8); 2.3362 (1.9); 2.3210 (1.9); 2.3023 (1.2); 1.8630 (0.7); 1.8439 (1.3); 1.8328 (1.1); 1.8279 (1.2); 1.8218 (1.4); 1.8174 (1.4); 1.8143 (1.4); 1.8064 (1.0); 1.7983 (1.3); 1.7955 (1.3); 1.7764 (0.9); 1.6142 (1.7); 1.4666 (1.6); 1.4476 (3.0); 1.4344 (1.8); 1.4288 (1.8); 1.4161 (2.8); 1.3970 (1.5); 1.3773 (0.4); 1.3515 (0.5); 1.3282 (0.8); 1.2993 (2.8); 1.2214 (1.3); 1.2012 (2.2); 1.1918 (1.5); 1.1884 (1.4); 1.1820 (1.4); 1.1717 (2.0); 1.1521 (1.0); 0.9242 (0.4); 0.9000 (0.4); 0.1149 (1.4); 0.0539 (0.6); 0.0432 (13.5); 0.0323 (0.5)
I-315: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.2186 (6.5); 7.7852 (0.6); 7.7711 (1.1); 7.7570 (0.6); 7.6279 (3.3); 7.6003 (1.1); 7.5749 (1.6); 7.5572 (1.0); 7.4706 (1.7); 7.4494 (3.9); 7.4208 (2.4); 7.4172 (2.3); 7.4064 (1.3); 7.4004 (1.3); 7.3959 (1.2); 7.3865 (1.8); 7.3661 (0.8); 7.2657 (1.4); 4.4427 (1.2); 4.4271 (1.2); 4.4072 (2.5); 4.3916 (2.4); 4.3717 (1.3); 4.3561 (1.2); 1.9938 (16.0); 1.6170 (0.5); 1.2598 (0.6); −0.0002 (1.0)
I-316: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.1925 (1.3); 9.1769 (2.6); 9.1616 (1.3); 8.7769 (5.7); 8.7622 (5.9); 8.4613 (8.3); 8.1081 (6.1); 8.0932 (5.8); 7.9591 (2.9); 7.7898 (1.0); 7.7704 (2.8); 7.7508 (2.8); 7.7282 (3.7); 7.7066 (5.5); 7.6428 (2.6); 7.6228 (2.0); 7.3481 (3.3); 7.3281 (3.6); 7.0857 (4.4); 6.9282 (2.4); 6.9087 (2.2); 4.1837 (1.3); 4.1685 (1.3); 4.1468 (2.7); 4.1313 (2.6); 4.1097 (1.4); 4.0941 (1.2); 3.3186 (40.9); 2.8965 (16.0); 2.7374 (14.8); 2.6764 (0.7); 2.5111 (86.0); 2.5074 (106.8); 2.4412 (11.7); 2.3342 (0.7); 2.2197 (15.6)
I-317: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 7.5163 (0.3); 7.3064 (0.3); 7.0974 (0.3); 5.7792 (2.0); 3.9609 (2.7); 3.3470 (16.0); 2.5338 (1.3); 2.5279 (2.7); 2.5218 (3.7); 2.5158 (2.6); 2.5099 (1.2); 2.4408 (2.6); 2.4301 (1.0); 2.2524 (1.2); 0.0200 (2.1)

TABLE 2-continued

I-318: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.0374 (1.1); 9.0163 (1.1); 8.1747 (5.2); 7.7497 (0.4); 7.7308 (1.2); 7.7102 (1.2); 7.6834 (3.8); 7.6651 (0.8); 7.6319 (1.2); 7.6127 (0.8); 7.2428 (1.1); 7.2214 (1.3); 6.6695 (4.4); 6.6509 (1.3); 6.6443 (0.8); 5.1224 (0.6); 5.1050 (0.6); 3.6947 (16.0); 3.3815 (19.9); 3.3749 (23.8); 3.3710 (22.9); 3.3661 (26.3); 2.7448 (0.5); 2.7265 (1.1); 2.7105 (1.0); 2.6949 (0.5); 2.5143 (4.4); 2.5099 (9.3); 2.5054 (12.4); 2.5009 (8.9); 2.4964 (4.3); 1.9820 (0.4); 1.9695 (0.5); 1.9605 (0.5); 1.9466 (0.4); 1.8780 (0.3); 1.8661 (0.3); 1.8514 (0.4); 1.8324 (0.4); 1.8124 (0.4); 1.7924 (0.5); 1.7866 (0.4); 1.7610 (0.7); 1.7451 (0.8); −0.0002 (0.4)
I-319: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.1820 (1.0); 9.1673 (1.8); 9.1521 (0.9); 8.8556 (5.6); 8.7191 (3.1); 8.7067 (3.2); 8.2433 (6.6); 8.1088 (1.5); 7.9594 (2.6); 7.7574 (3.8); 7.7359 (2.9); 7.7235 (3.4); 7.7031 (1.4); 7.6842 (0.8); 7.6632 (0.7); 7.6447 (1.6); 7.6285 (1.3); 7.6068 (0.4); 7.5464 (0.7); 7.5422 (0.6); 7.5250 (3.8); 7.5217 (4.0); 7.5128 (4.9); 7.5028 (2.3); 7.4922 (1.3); 7.4829 (0.9); 7.4537 (1.2); 7.3186 (2.4); 7.2950 (0.6); 7.1837 (1.2); 6.0935 (0.5); 6.0828 (0.7); 6.0686 (0.5); 5.9780 (0.5); 5.9677 (0.7); 5.9536 (0.5); 3.9723 (0.4); 3.9565 (0.7); 3.9400 (0.5); 3.9198 (0.7); 3.8990 (1.0); 3.8841 (0.7); 3.8721 (0.5); 3.8633 (0.6); 3.8503 (0.7); 3.8396 (0.5); 3.8276 (0.4); 3.3271 (461.8); 3.2757 (0.4); 2.8981 (16.0); 2.7390 (14.6); 2.5129 (14.0); 2.5087 (18.4); 2.5046 (13.6)
I-320: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.3444 (1.8); 9.3255 (1.8); 8.1952 (8.4); 8.1921 (4.0); 8.1911 (4.0); 7.7539 (0.8); 7.7344 (2.4); 7.7136 (2.3); 7.6881 (7.6); 7.6678 (2.5); 7.6420 (16.0); 7.6172 (2.3); 5.2152 (1.2); 5.1972 (1.8); 5.1792 (1.2); 3.4040 (35.2); 3.3907 (39.7); 3.3806 (47.6); 2.8945 (1.8); 2.7361 (1.6); 2.5318 (0.4); 2.5186 (8.4); 2.5141 (17.7); 2.5096 (23.8); 2.5051 (17.2); 2.5006 (8.3); 1.4859 (9.2); 1.4683 (9.1)
I-321: ^{1}H-NMR(600.4 MHz, d_6-DMSO):
δ = 9.1468 (1.4); 9.1364 (2.8); 9.1261 (1.4); 8.0390 (16.0); 7.7494 (1.4); 7.7363 (3.6); 7.7230 (2.9); 7.6991 (3.6); 7.6861 (1.9); 7.6505 (4.4); 7.5921 (2.5); 7.5782 (2.0); 7.5543 (5.5); 7.5419 (6.5); 7.4644 (1.1); 7.4521 (3.3); 7.4399 (2.4); 7.4043 (4.6); 7.3915 (6.3); 7.3791 (2.4); 5.7520 (7.4); 4.1340 (1.4); 4.1235 (1.5); 4.1100 (3.4); 4.0995 (3.4); 4.0860 (1.6); 4.0755 (1.5); 3.3064 (283.7); 2.6152 (1.8); 2.6122 (2.4); 2.6091 (1.8); 2.6061 (0.8); 2.5211 (6.3); 2.5180 (8.8); 2.5148 (11.5); 2.5062 (154.6); 2.5032 (306.4); 2.5002 (411.0); 2.4971 (298.7); 2.4941 (141.4); 2.3902 (0.9); 2.3871 (1.8); 2.3841 (2.4); 2.3811 (1.7); 2.3783 (0.8); 0.0053 (0.8); −0.0001 (18.0); −0.0056 (0.6)
I-322: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.2125 (1.6); 9.1966 (3.4); 9.1811 (1.6); 8.0193 (16.0); 7.7647 (1.4); 7.7451 (10.2); 7.7256 (4.1); 7.7097 (5.0); 7.6900 (2.0); 7.6272 (5.6); 7.5705 (6.2); 7.5630 (3.6); 7.5492 (7.5); 7.2415 (3.3); 7.2367 (3.3); 7.2204 (3.0); 7.2155 (3.0); 4.3037 (1.7); 4.2877 (1.7); 4.2691 (3.7); 4.2533 (3.6); 4.2345 (1.9); 4.2187 (1.8); 3.3453 (160.3); 3.3389 (155.7); 3.3371 (144.2); 2.6769 (0.4); 2.6724 (0.6); 2.6682 (0.5); 2.5429 (72.5); 2.5256 (2.2); 2.5122 (42.4); 2.5081 (85.0); 2.5037 (112.0); 2.4993 (81.0); 2.3352 (0.5); 2.3307 (0.6); 2.1967 (0.7); 1.2340 (0.4); −0.0002 (2.2)
I-323: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 8.6720 (1.4); 8.6574 (2.8); 8.6429 (1.4); 8.3164 (0.3); 8.0392 (16.0); 7.7500 (1.2); 7.7306 (3.7); 7.7109 (3.9); 7.6985 (4.6); 7.6786 (1.6); 7.6249 (5.0); 7.5450 (2.8); 7.5255 (2.2); 7.2797 (6.6); 7.2586 (10.9); 7.1976 (11.7); 7.1765 (6.9); 3.9028 (2.7); 3.5197 (0.4); 3.5037 (0.8); 3.4868 (2.2); 3.4706 (4.4); 3.4549 (4.1); 3.4368 (2.3); 3.4186 (0.8); 3.4034 (0.6); 3.3299 (155.0); 3.0627 (1.1); 3.0450 (2.2); 3.0273 (2.2); 3.0098 (1.1); 2.9849 (0.3); 2.6760 (1.0); 2.6715 (1.3); 2.6670 (1.0); 2.5246 (5.7); 2.5070 (178.6); 2.5026 (220.8); 2.4981 (159.0); 2.3337 (1.0); 2.3294 (1.3); 2.3250 (1.0); 1.2985 (0.3); 1.2672 (0.4); 1.2585 (0.4); 1.2325 (13.6); 1.2150 (13.0); −0.0002 (0.8)
I-324: ^{1}H-NMR(499.9 MHz, d_6-DMSO):
δ = 9.1899 (0.7); 9.1774 (1.4); 9.1649 (0.7); 8.8468 (4.4); 8.7087 (2.5); 8.6989 (2.7); 8.1538 (5.5); 8.0164 (0.4); 7.9540 (2.5); 7.7877 (0.6); 7.7720 (1.6); 7.7563 (1.4); 7.7413 (2.3); 7.7313 (1.9); 7.7153 (3.4); 7.7054 (2.6); 7.6672 (1.3); 7.6517 (1.1); 7.3252 (1.9); 7.3092 (2.2); 7.0717 (2.3); 6.9066 (1.2); 6.8906 (1.2); 4.1625 (0.6); 4.1500 (0.6); 4.1332 (1.4); 4.1207 (1.3); 4.1039 (0.7); 4.0914 (0.7); 3.3184 (11.9); 2.8911 (16.0); 2.7325 (14.3); 2.5058 (3.4); 2.5024 (4.6); 2.4990 (3.4); 2.4273 (6.0); 2.2076 (9.2); −0.0002 (1.8)
I-325: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 8.9285 (0.7); 8.9139 (1.4); 8.8992 (0.7); 8.1175 (7.0); 7.7646 (0.5); 7.7441 (1.7); 7.7243 (1.7); 7.7072 (2.2); 7.6912 (3.3); 7.6064 (1.5); 7.5860 (1.1); 7.3348 (2.0); 7.3233 (0.6); 7.3133 (2.1); 6.7648 (1.3); 6.7602 (2.6); 6.7532 (3.4); 6.7486 (3.8); 6.7441 (2.8); 6.7397 (1.1); 5.7551 (16.0); 4.6537 (1.1); 4.6308 (2.6); 4.6079 (1.4); 4.4551 (1.4); 4.4412 (1.4); 4.4320 (1.1); 4.4180 (1.1); 3.7556 (0.6); 3.7397 (0.8); 3.7335 (0.7); 3.7175 (0.7); 3.5908 (0.4); 3.5725 (1.1); 3.5579 (2.3); 3.5430 (2.0); 3.5276 (1.0); 3.3207 (42.7); 2.6752 (0.4); 2.6709 (0.5); 2.6666 (0.4); 2.5063 (63.5); 2.5019 (82.0); 2.4976 (61.0); 2.3332 (0.4); 2.3286 (0.5); 1.9888 (0.6); 1.3559 (1.0); 1.2353 (0.4); 1.1752 (0.4); 0.0079 (0.7); −0.0001 (16.0); −0.0079 (0.7)
I-326: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 9.2745 (0.3); 9.2540 (16.0); 7.5865 (0.9); 7.5708 (3.4); 7.5573 (9.5); 7.5515 (6.0); 7.5442 (1.1); 7.5344 (5.8); 7.4798 (4.4); 7.4760 (4.5); 7.4671 (0.4); 7.4411 (4.0); 7.3961 (0.4); 7.3848 (1.6); 7.3797 (3.2); 7.3754 (2.0); 7.3724 (1.1); 7.3705 (1.2); 7.3666 (2.1); 7.3618 (1.2); 7.2604 (24.5); 7.1721 (2.9); 7.1680 (2.8); 7.1551 (2.6); 7.1511 (2.6); 6.3500 (1.0); 6.3375 (1.9); 6.3251 (1.0); 4.4383 (2.2); 4.4254 (2.1); 4.4096 (4.7); 4.3968 (4.5); 4.3809 (2.4); 4.3681 (2.2); 2.0011 (0.5); 1.5542 (18.5); 1.2648 (0.6); 1.2553 (0.7); 0.8818 (0.7); 0.8675 (0.3); 0.0063 (1.0); −0.0002 (25.2); −0.0068 (1.0)
I-327: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.1371 (1.2); 9.1215 (2.5); 9.1059 (1.2); 7.9737 (13.3); 7.9522 (1.6); 7.6923 (1.5); 7.6885 (1.8); 7.6803 (2.6); 7.6738 (1.9); 7.6706 (1.8); 7.6666 (1.9); 7.6326 (3.2); 7.6276 (5.2); 7.3070 (3.8); 7.2871 (8.2); 7.2816 (3.9); 7.2773 (6.8); 7.2743 (6.6); 7.2659 (0.6); 7.2611 (0.5); 7.0759 (4.3); 6.9332 (2.2); 6.9131 (2.0); 4.1191 (1.2); 4.1034 (1.2); 4.0823 (2.7); 4.0666 (2.6); 4.0454 (1.4); 4.0297 (1.3); 3.3326 (59.6); 2.8920 (11.1); 2.7333 (9.8); 2.5256 (1.0); 2.5122 (19.2); 2.5079 (37.8); 2.5034 (49.0); 2.4989 (35.7); 2.4946 (17.6); 2.4147 (11.2); 2.2418 (16.0); 1.2400 (1.2); −0.0002 (1.4)
I-328: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.2052 (1.7); 9.1897 (3.6); 9.1741 (1.7); 8.0308 (15.6); 7.7605 (1.4); 7.7411 (4.2); 7.7215 (4.1); 7.7046 (4.9); 7.6850 (2.0); 7.6471 (5.5); 7.5826 (3.3); 7.5630 (2.5); 7.4331 (5.2); 7.4118 (5.9); 7.3688 (5.5); 7.1459 (3.0); 7.1424 (3.0); 7.1251 (2.6); 7.1213 (2.6); 4.1622 (1.7); 4.1465 (1.8); 4.1257 (3.8); 4.1100 (3.6); 4.0891 (1.9); 4.0733 (1.8); 3.3227 (237.7); 3.2863 (0.4); 2.6751 (0.7); 2.6706 (0.9);

TABLE 2-continued

2.6665 (0.7); 2.5410 (58.8); 2.5061 (100.3); 2.5016 (133.1); 2.4972 (103.8); 2.4562 (16.0); 2.3327 (0.6); 2.3284 (0.8); 2.3239 (0.6); −0.0002 (0.4)

I-329: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 8.7603 (6.6); 8.3162 (0.8); 8.0247 (16.0); 7.7557 (1.3); 7.7363 (4.0); 7.7168 (4.2); 7.7042 (5.0); 7.6847 (1.8); 7.5976 (5.4); 7.5533 (3.1); 7.5339 (2.4); 7.2748 (8.5); 7.2539 (10.6); 7.2393 (0.8); 7.1053 (11.8); 7.0844 (9.2); 3.9025 (1.1); 3.3263 (259.7); 2.9016 (14.2); 2.6753 (2.4); 2.6710 (3.1); 2.6665 (2.2); 2.5242 (11.5); 2.5105 (218.6); 2.5065 (413.6); 2.5020 (518.4); 2.4975 (370.7); 2.4934 (181.2); 2.3333 (2.2); 2.3288 (3.0); 2.3244 (2.2); 1.2356 (0.4); 0.9055 (2.2); 0.8878 (7.7); 0.8767 (3.3); 0.8492 (0.4); 0.8377 (0.6); 0.8274 (0.6); 0.7880 (3.2); 0.7770 (7.3); 0.7594 (2.1); −0.0002 (2.8)

I-330: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 7.6095 (0.8); 7.5904 (0.8); 7.5374 (0.4); 7.5181 (1.4); 7.4983 (3.0); 7.4777 (3.1); 7.4574 (1.1); 7.4528 (1.5); 7.4478 (0.8); 7.4341 (0.8); 7.2965 (2.8); 7.2764 (3.9); 7.2596 (8.9); 7.1936 (0.4); 7.1754 (3.4); 7.1556 (2.4); 5.2825 (0.8); 5.2645 (1.2); 5.2465 (0.8); 3.8111 (0.4); 3.8000 (0.5); 3.7933 (0.6); 3.7881 (0.8); 3.7822 (0.7); 3.7773 (0.8); 3.7702 (0.8); 3.7593 (0.6); 3.7108 (0.6); 3.6996 (0.8); 3.6935 (0.8); 3.6876 (0.6); 3.6824 (0.8); 3.6764 (0.6); 3.6707 (0.5); 3.6593 (0.4); 3.2424 (1.1); 3.2332 (16.0); 3.0592 (0.4); 3.0532 (0.4); 3.0417 (0.4); 3.0353 (0.9); 3.0244 (1.0); 3.0183 (1.1); 3.0100 (1.2); 3.0078 (1.1); 2.9992 (1.1); 2.9925 (0.9); 2.9813 (0.8); 2.9759 (0.4); 2.3580 (0.8); 2.3407 (10.8); 1.6010 (6.6); 1.5837 (6.5); 1.5593 (11.3); −0.0002 (4.9)

I-331: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.1462 (2.0); 9.1253 (2.3); 9.1024 (0.3); 8.2182 (10.8); 7.7483 (0.9); 7.7290 (2.7); 7.7094 (2.7); 7.6884 (6.5); 7.6676 (1.6); 7.6270 (2.3); 7.6078 (1.4); 7.4824 (3.9); 7.3553 (1.5); 7.3517 (1.5); 7.3351 (2.8); 7.3317 (2.8); 7.3140 (0.5); 7.2787 (4.0); 7.2587 (2.5); 7.2258 (0.4); 7.1538 (0.3); 5.4774 (0.6); 5.4576 (1.9); 5.4376 (1.9); 5.4178 (0.6); 4.0383 (0.5); 4.0205 (0.5); 3.3207 (41.0); 3.0034 (0.4); 2.9957 (0.5); 2.9820 (0.5); 2.9737 (0.6); 2.9631 (1.0); 2.9553 (1.2); 2.9413 (1.1); 2.9333 (1.1); 2.9113 (0.7); 2.8903 (1.5); 2.8698 (1.1); 2.8498 (0.7); 2.8287 (0.4); 2.6754 (0.4); 2.6707 (0.6); 2.6663 (0.4); 2.5062 (74.4); 2.5018 (96.6); 2.4974 (72.8); 2.4776 (1.9); 2.4687 (1.2); 2.4576 (0.7); 2.4494 (0.5); 2.3330 (0.4); 2.3287 (0.6); 2.3243 (0.4); 1.9888 (2.1); 1.9584 (0.4); 1.9367 (1.3); 1.9270 (0.5); 1.9158 (1.4); 1.9051 (1.2); 1.8941 (0.7); 1.8844 (1.2); 1.8625 (0.5); 1.3978 (16.0); 1.1929 (0.6); 1.1751 (1.1); 1.1572 (0.5); 0.0080 (0.5); −0.0002 (12.4)

I-332: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.0377 (1.4); 9.0177 (1.4); 8.1195 (7.3); 7.7179 (0.5); 7.6985 (1.8); 7.6791 (2.0); 7.6679 (2.3); 7.6527 (2.4); 7.6331 (2.1); 7.6100 (2.4); 7.5607 (1.4); 7.5413 (1.0); 7.3851 (2.1); 7.3645 (2.4); 7.3110 (4.5); 7.1229 (1.0); 7.1050 (1.8); 7.0848 (1.0); 6.8868 (1.2); 6.8688 (2.0); 6.8493 (1.0); 5.4415 (0.8); 5.4237 (1.2); 5.4053 (0.8); 3.7164 (16.0); 3.3816 (40.4); 3.3772 (58.2); 3.3751 (58.9); 3.3725 (57.4); 2.8901 (0.4); 2.7321 (0.3); 2.5132 (6.4); 2.5088 (13.5); 2.5043 (18.2); 2.4997 (13.2); 2.4953 (6.4); 1.6142 (5.9); 1.5972 (5.8)

I-333: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.4518 (8.3); 7.6191 (0.6); 7.5932 (2.3); 7.5710 (8.5); 7.5439 (4.8); 7.5224 (3.2); 7.5163 (3.2); 7.4671 (3.1); 7.4234 (1.3); 7.4156 (2.2); 7.4084 (1.2); 7.3925 (1.4); 7.2985 (19.0); 7.2108 (2.1); 7.2041 (2.0); 7.1825 (1.8); 7.1758 (1.7); 6.5053 (0.8); 6.4836 (1.5); 6.4628 (0.8); 4.5058 (1.6); 4.4843 (1.6); 4.4577 (3.5); 4.4362 (3.4); 4.4096 (1.8); 4.3881 (1.7); 2.0808 (0.4); 2.0518 (0.4); 2.0349 (0.8); 2.0235 (0.9); 2.0070 (1.8); 1.9903 (1.0); 1.9791 (1.0); 1.9623 (0.5); 1.6106 (16.0); 1.3726 (0.4); 1.3266 (1.4); 1.3026 (5.0); 1.2993 (4.8); 1.2912 (4.4); 1.2816 (3.6); 1.2750 (3.1); 1.2585 (1.5); 1.2389 (0.4); 1.0669 (1.3); 1.0504 (3.7); 1.0445 (3.0); 1.0340 (2.8); 1.0274 (3.5); 1.0104 (0.9); 0.9399 (0.6); 0.9181 (1.7); 0.8946 (0.8); 0.0469 (0.6); 0.0361 (17.7); 0.0252 (0.7)

I-334: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.3003 (2.0); 9.2846 (4.1); 9.2691 (2.0); 8.2666 (6.3); 8.2624 (6.7); 8.0294 (16.0); 7.8070 (3.0); 7.8030 (3.2); 7.7860 (3.9); 7.7817 (4.1); 7.7647 (1.5); 7.7451 (4.6); 7.7254 (4.6); 7.7102 (5.6); 7.6907 (2.1); 7.6468 (7.1); 7.6253 (11.6); 7.5525 (3.6); 7.5329 (2.9); 4.2802 (1.8); 4.2641 (1.9); 4.2473 (4.0); 4.2314 (3.9); 4.2139 (2.1); 4.1982 (1.9); 3.4387 (0.3); 3.3988 (0.4); 3.3266 (755.1); 3.2641 (0.6); 2.9944 (1.6); 2.7108 (0.6); 2.6709 (2.0); 2.6665 (1.5); 2.5783 (0.4); 2.5412 (117.0); 2.5060 (221.3); 2.5017 (293.9); 2.4975 (233.2); 2.3671 (0.5); 2.3330 (1.3); 2.3284 (1.8); 2.3243 (1.4); −0.0001 (1.0)

I-335: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.3238 (0.4); 7.9861 (1.3); 7.6202 (0.4); 7.5955 (1.7); 7.5834 (1.1); 7.5748 (3.7); 7.5527 (0.4); 7.5367 (0.4); 7.4796 (2.2); 7.4721 (7.0); 7.4636 (1.5); 7.4569 (0.8); 7.4492 (0.6); 7.4417 (0.8); 7.3977 (1.8); 7.3712 (2.1); 7.3052 (17.2); 7.1088 (1.9); 7.0903 (0.8); 7.0311 (1.0); 7.0039 (0.9); 5.3447 (1.9); 4.6763 (0.9); 4.6303 (1.9); 4.5837 (1.0); 4.0656 (3.7); 3.8353 (2.5); 3.7644 (16.0); 3.7476 (0.4); 3.7191 (1.5); 2.5302 (5.5); 2.5231 (3.3); 2.4922 (1.2); 2.3709 (9.7); 2.3269 (0.5); 2.0528 (11.0); 1.5969 (16.6); 1.2985 (0.4); 0.1138 (0.7); 0.0549 (0.5); 0.0440 (16.6); 0.0331 (0.6)

I-336: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5747 (0.4); 7.5483 (4.1); 7.5273 (5.0); 7.5238 (4.3); 7.5028 (2.5); 7.4966 (2.5); 7.4316 (2.2); 7.3774 (0.9); 7.3681 (1.5); 7.3609 (1.0); 7.3539 (0.6); 7.3468 (1.0); 7.3391 (0.6); 7.2981 (2.0); 7.2026 (1.5); 7.1960 (1.4); 7.1744 (1.3); 7.1678 (1.2); 6.9706 (0.6); 6.9495 (1.2); 6.9284 (0.6); 5.3293 (0.7); 4.4199 (1.0); 4.3985 (0.9); 4.3715 (2.1); 4.3501 (2.0); 4.3231 (1.0); 4.3017 (1.0); 2.7728 (3.0); 2.5541 (16.0); 2.2262 (15.8); 2.0615 (1.0); 1.9642 (0.5); 1.3062 (0.4); 1.2891 (0.5); 1.2825 (0.7); 0.1070 (2.6); 0.0323 (1.8)

I-337: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.2551 (0.7); 9.2395 (1.4); 9.2239 (0.7); 7.9694 (7.6); 7.9530 (0.8); 7.3266 (2.1); 7.3066 (2.4); 7.2532 (0.6); 7.2489 (0.5); 7.2322 (1.5); 7.2282 (1.4); 7.2113 (1.1); 7.2076 (1.2); 7.1784 (0.9); 7.1747 (1.0); 7.1567 (1.4); 7.1383 (0.6); 7.1351 (0.5); 7.0708 (2.4); 6.9499 (1.3); 6.9376 (1.1); 6.9335 (1.7); 6.9213 (1.2); 6.9178 (1.6); 6.9008 (0.8); 6.8972 (0.7); 4.1183 (0.7); 4.1026 (0.7); 4.0815 (1.6); 4.0656 (1.5); 4.0443 (0.8); 4.0286 (0.7); 3.9032 (16.0); 3.3357 (32.7); 2.8922 (5.0); 2.7342 (4.4); 2.5263 (0.4); 2.5127 (8.8); 2.5084 (17.2); 2.5039 (22.2); 2.4994 (16.0); 2.4950 (7.8); 2.4210 (6.4); 2.2131 (9.2); −0.0002 (0.8)

I-338: ^{1}H-NMR(300.2 MHz, CDCl3):
δ =7.6016 (1.4); 7.5817 (5.1); 7.5659 (0.4); 7.5622 (0.4); 7.5517 (2.3); 7.5344 (1.8); 7.5282 (1.8); 7.4798 (1.6); 7.4279 (0.8); 7.4179 (1.1); 7.4107 (0.9); 7.3974 (0.7); 7.3898 (0.4); 7.2994 (15.3); 7.2501 (1.2); 7.2434 (1.1); 7.2218 (1.0); 7.2151 (0.9); 6.4561 (0.4); 6.4349 (0.8); 6.4143 (0.4); 4.4815 (0.9); 4.4601 (0.9); 4.4331 (2.0); 4.4117 (1.9); 4.3847 (1.0); 4.3632 (1.0); 2.4207 (16.0); 2.0810 (0.8); 1.5852 (8.3); 1.2966 (0.6); 0.0497 (0.6); 0.0389 (15.9); 0.0297 (0.5); 0.0281 (0.6)

TABLE 2-continued

I-339: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.6897 (1.1); 7.6824 (1.8); 7.6644 (3.0); 7.6451 (1.8); 7.6102 (0.9); 7.5818 (9.1); 7.5766 (6.1); 7.5644 (14.7); 7.5400 (0.6); 7.5011 (8.5); 7.4722 (16.0); 7.4125 (20.2); 7.3839 (7.8); 7.3599 (0.9); 7.3462 (2.9); 7.3376 (2.8); 7.3322 (4.3); 7.3260 (3.8); 7.3165 (2.9); 7.3077 (2.2); 7.2988 (10.2); 5.0630 (0.9); 5.0557 (0.8); 5.0426 (1.9); 5.0364 (1.6); 5.0198 (3.7); 5.0084 (11.6); 5.0043 (11.9); 4.9893 (12.0); 4.9687 (3.6); 4.6636 (0.5); 4.6553 (0.5); 4.6351 (5.2); 4.6225 (9.9); 4.6157 (8.7); 4.5996 (4.3); 4.1990 (3.6); 4.1852 (1.5); 4.1786 (3.6); 4.1618 (2.6); 4.1511 (7.7); 4.1379 (3.4); 4.1307 (7.5); 4.1144 (1.3); 4.1032 (3.9); 4.0828 (3.8); 2.0757 (9.0); 1.6713 (11.2); 1.3153 (2.6); 1.2915 (6.7); 1.2677 (2.5); 0.9691 (0.4); 0.9152 (0.3); 0.1085 (0.4); 0.0354 (7.9); 0.0245 (0.3)
I-340: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.3071 (1.2); 9.2871 (1.2); 8.1954 (6.8); 7.9537 (1.1); 7.8053 (2.4); 7.7586 (2.1); 7.7442 (3.7); 7.7384 (3.0); 7.7235 (1.8); 7.7065 (1.9); 7.6871 (0.8); 7.6527 (1.3); 7.6332 (0.8); 7.6107 (2.0); 7.5883 (2.2); 7.5263 (1.4); 7.5221 (1.5); 7.5050 (1.2); 7.5008 (1.3); 7.2754 (2.1); 7.2692 (2.2); 7.1039 (1.5); 7.0976 (1.5); 7.0816 (1.4); 7.0753 (1.4); 5.2881 (0.7); 5.2699 (1.0); 5.2516 (0.7); 3.8490 (16.0); 3.3872 (27.9); 3.3768 (57.7); 2.8912 (7.3); 2.7336 (6.4); 2.5241 (0.4); 2.5156 (6.2); 2.5112 (13.2); 2.5066 (17.7); 2.5021 (12.7); 2.4976 (6.1); 1.5457 (5.0); 1.5283 (5.0)
I-341: ^{1}H-NMR(300.1 MHz, CDCl3):
δ = 10.5645 (0.6); 7.8033 (6.2); 7.4910 (0.4); 7.4684 (4.0); 7.4462 (1.7); 7.4198 (0.5); 7.3096 (1.9); 7.2834 (2.7); 7.2635 (4.9); 7.1684 (1.5); 7.1424 (1.1); 7.1172 (1.1); 7.1017 (0.7); 7.0946 (1.1); 7.0868 (0.7); 7.0583 (2.1); 6.9646 (3.1); 6.9615 (3.3); 6.8963 (3.2); 6.8931 (3.0); 6.5770 (2.3); 3.7639 (0.9); 3.7499 (1.6); 3.7365 (1.6); 3.7302 (1.4); 3.7238 (1.7); 3.7098 (1.0); 3.5305 (16.0); 2.9568 (1.2); 2.8848 (2.1); 2.8674 (2.0); 2.8473 (1.6); 2.1904 (12.0); 1.2538 (1.6); 0.0708 (0.4); −0.0009 (3.8)
I-342: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.0106 (2.0); 7.4349 (2.4); 7.4140 (2.8); 7.3876 (3.0); 7.2636 (16.4); 7.1833 (1.8); 7.1786 (1.7); 7.1625 (1.5); 7.1577 (1.4); 7.0807 (0.3); 7.0697 (3.7); 7.0563 (2.9); 7.0514 (2.9); 7.0373 (0.5); 6.7906 (0.8); 6.7754 (1.2); 6.7669 (1.3); 6.7571 (0.8); 6.7503 (0.7); 6.5158 (0.6); 6.5017 (1.1); 6.4866 (0.6); 6.0501 (0.6); 6.0420 (0.6); 6.0342 (0.7); 6.0259 (0.6); 5.9343 (0.6); 5.9261 (0.6); 5.9181 (0.7); 5.9102 (0.6); 4.1768 (0.4); 4.1686 (0.4); 4.1606 (0.4); 4.1518 (0.6); 4.1426 (0.3); 4.1346 (0.3); 4.1141 (0.4); 4.1058 (0.4); 4.0978 (0.4); 4.0897 (0.4); 3.9626 (0.4); 3.9471 (0.7); 3.9313 (0.4); 3.9261 (0.3); 3.9102 (0.6); 3.9046 (0.5); 3.8892 (0.7); 3.8733 (0.4); 3.8677 (0.4); 3.8522 (0.5); 2.9570 (13.7); 2.8818 (12.7); 2.5953 (16.0); 2.5824 (1.1); 2.3167 (0.7); 2.3016 (15.9); 2.0886 (0.6); 2.0802 (0.7); 2.0676 (1.2); 2.0547 (0.8); 2.0463 (0.8); 2.0334 (0.4); 1.6002 (8.7); 1.0177 (0.7); 1.0058 (2.3); 1.0012 (2.4); 0.9899 (1.3); 0.9847 (2.4); 0.9800 (2.4); 0.9691 (1.0); 0.7707 (0.9); 0.7589 (2.9); 0.7554 (2.7); 0.7465 (2.6); 0.7424 (3.0); 0.7303 (0.9); −0.0002 (1.5)
I-343: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.1323 (5.0); 7.8059 (0.6); 7.3416 (2.4); 7.3345 (2.6); 7.2984 (3.6); 7.2044 (2.0); 7.1771 (2.7); 7.1596 (0.5); 7.1563 (0.5); 7.1329 (1.3); 7.1299 (1.2); 7.1045 (1.4); 7.0914 (1.0); 7.0845 (1.2); 7.0682 (1.0); 7.0625 (1.2); 7.0578 (0.5); 7.0416 (2.2); 7.0347 (2.0); 7.0143 (1.2); 7.0072 (1.2); 6.8847 (0.6); 6.8781 (0.6); 6.8613 (1.0); 6.8587 (0.9); 6.8367 (0.6); 6.8311 (0.5); 4.1907 (0.4); 4.1669 (1.2); 4.1431 (1.2); 4.1193 (0.4); 3.8714 (1.0); 3.8496 (2.4); 3.8294 (2.4); 3.8072 (1.3); 3.8013 (1.2); 3.7929 (0.7); 3.7875 (0.9); 3.7791 (2.6); 3.7711 (1.0); 3.7655 (0.7); 3.7570 (1.1); 3.1283 (1.8); 3.1060 (3.5); 3.0837 (1.7); 2.7407 (16.0); 2.1494 (0.4); 2.1383 (0.5); 2.1210 (0.9); 2.1040 (0.5); 2.0928 (0.5); 2.0782 (5.6); 1.9079 (1.1); 1.8975 (1.1); 1.8859 (3.1); 1.8794 (0.8); 1.8743 (1.1); 1.8638 (1.0); 1.4662 (0.4); 1.3167 (1.5); 1.2929 (3.1); 1.2691 (1.5); 1.0909 (0.7); 1.0757 (1.7); 1.0689 (1.9); 1.0629 (1.0); 1.0541 (1.1); 1.0471 (1.8); 1.0404 (1.7); 1.0259 (0.9); 0.8340 (0.9); 0.8190 (2.0); 0.8127 (2.0); 0.8020 (1.8); 0.7964 (2.1); 0.7799 (0.7); 0.0341 (4.1)
I-344: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ =9.1164 (0.8); 9.1007 (1.7); 9.0849 (0.8); 7.7434 (0.7); 7.7237 (2.0); 7.7039 (1.8); 7.6902 (6.5); 7.6757 (2.2); 7.6562 (1.1); 7.6079 (2.7); 7.5445 (1.6); 7.5265 (4.0); 7.3669 (1.6); 7.3458 (3.8); 7.3161 (2.1); 7.2944 (0.9); 4.1497 (0.8); 4.1335 (0.8); 4.1130 (1.8); 4.0971 (1.7); 4.0764 (0.9); 4.0605 (0.8); 3.3313 (164.1); 2.6788 (0.5); 2.6001 (16.0); 2.5490 (30.9); 2.5141 (61.1); 2.5097 (81.1); 2.5055 (63.9); 2.4619 (7.7); 2.3368 (0.5)
I-345: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 14.9996 (0.9); 8.2820 (1.1); 7.6166 (5.6); 7.6064 (4.3); 7.5895 (0.4); 7.4498 (3.1); 7.4084 (1.1); 7.4034 (1.3); 7.3975 (1.6); 7.3939 (1.4); 7.3859 (0.8); 7.3173 (3.5); 7.3013 (3.9); 7.2586 (11.7); 7.0414 (3.8); 6.9548 (2.1); 6.9389 (1.9); 5.2972 (3.0); 4.2227 (1.3); 4.2109 (1.3); 4.1943 (2.8); 4.1825 (2.7); 4.1659 (1.4); 4.1541 (1.3); 2.4604 (10.7); 2.2827 (16.0); 2.0024 (4.5); 1.5422 (0.4); 1.2843 (0.5); 1.2556 (5.9); 0.8940 (0.5); 0.8803 (0.7); 0.8664 (0.4); 0.8594 (0.4); 0.8457 (0.5); 0.0062 (0.5); −0.0002 (11.7); −0.0068 (0.4)
I-346: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.2820 (3.0); 9.2625 (3.1); 8.1867 (16.0); 7.9546 (1.2); 7.7604 (1.4); 7.7397 (5.1); 7.7315 (6.1); 7.7219 (4.8); 7.6951 (4.9); 7.6752 (2.2); 7.6476 (3.5); 7.6272 (2.4); 7.6102 (7.1); 7.4271 (6.2); 7.4228 (6.5); 7.4076 (8.2); 7.4032 (8.8); 7.2811 (5.0); 7.2619 (5.7); 7.2420 (3.2); 5.1686 (0.5); 5.1511 (2.1); 5.1329 (3.1); 5.1147 (2.1); 5.0972 (0.5); 3.3758 (48.3); 3.3703 (73.1); 3.3675 (80.8); 2.8927 (8.3); 2.7348 (7.2); 2.5159 (11.2); 2.5116 (23.4); 2.5071 (31.4); 2.5026 (22.7); 2.4983 (11.0); 1.4572 (15.2); 1.4397 (15.0); 1.2399 (0.6); −0.0002 (0.6)
I-347: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.1798 (5.0); 7.7377 (0.6); 7.6215 (3.5); 7.6185 (3.0); 7.6096 (1.6); 7.6044 (2.3); 7.3941 (1.7); 7.3325 (0.7); 7.3234 (0.9); 7.3133 (1.2); 7.3069 (1.1); 7.2982 (10.5); 7.0275 (1.8); 7.0020 (2.1); 6.9244 (2.0); 6.7576 (1.1); 6.7330 (1.0); 3.8320 (1.0); 3.8098 (2.4); 3.7907 (2.4); 3.7684 (1.1); 2.9863 (1.8); 2.9639 (3.4); 2.9414 (1.6); 2.7486 (16.0); 2.3227 (11.7); 2.2053 (10.8); 1.5998 (9.4); 1.2950 (1.0); 0.1080 (0.7); 0.0487 (0.4); 0.0380 (9.8); 0.0271 (0.4)
I-348: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ =9.1156 (0.9); 9.0998 (1.9); 9.0842 (0.9); 7.7413 (0.8); 7.7213 (2.2); 7.7012 (2.2); 7.6932 (6.4); 7.6739 (2.5); 7.6544 (1.2); 7.6018 (3.0); 7.5432 (1.8); 7.5233 (1.4); 7.4375 (2.5); 7.4164 (2.9); 7.3835 (3.1); 7.1794 (1.7); 7.1589 (1.5); 4.1542 (0.9); 4.1381 (0.9); 4.1175 (1.9); 4.1017 (1.9); 4.0809 (1.0); 4.0652 (0.9); 3.3304 (125.4); 2.6781 (0.5); 2.5994 (16.0); 2.5485 (25.4); 2.5090 (74.2); 2.4667 (8.7); 2.3359 (0.5)

TABLE 2-continued

I-349: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.4208 (0.3); 8.0072 (2.6); 7.6410 (2.6); 7.6142 (2.6); 7.6021 (3.1); 7.5586 (0.4); 7.5431 (0.4); 7.5252 (0.4); 7.4766 (1.1); 7.4560 (4.9); 7.4485 (3.1); 7.4240 (1.0); 7.3819 (1.1); 7.2609 (13.7); 4.4157 (0.7); 4.4002 (0.8); 4.3796 (1.5); 4.3643 (1.5); 4.3434 (0.8); 4.3281 (0.8); 4.1208 (0.5); 2.9548 (16.0); 2.8782 (15.0); 1.5949 (0.6); −0.0002 (4.0)
I-350: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.4001 (5.6); 8.3970 (5.7); 8.0318 (0.8); 8.0124 (1.2); 7.9957 (0.8); 7.7172 (0.5); 7.6907 (2.5); 7.6708 (6.8); 7.6680 (6.2); 7.6552 (0.7); 7.5910 (4.1); 7.5551 (3.1); 7.4925 (1.3); 7.4826 (2.0); 7.4750 (1.7); 7.4617 (1.5); 7.4542 (0.9); 7.4324 (0.7); 7.4270 (0.5); 7.4041 (4.9); 7.3957 (7.6); 7.3672 (0.8); 7.2995 (20.0); 6.1380 (0.9); 6.1274 (1.0); 6.1141 (1.0); 6.1035 (1.0); 5.9824 (0.9); 5.9718 (1.0); 5.9585 (1.0); 5.9479 (0.9); 5.2358 (0.4); 5.2145 (1.3); 5.1941 (1.6); 5.1750 (1.4); 5.1538 (0.5); 4.3800 (0.4); 4.3695 (0.4); 4.3576 (0.4); 4.3468 (0.4); 4.3313 (0.5); 4.3205 (0.5); 4.3085 (0.5); 4.2981 (0.5); 4.2891 (0.4); 4.2783 (0.4); 4.2666 (0.5); 4.2555 (0.4); 4.2403 (0.5); 4.2293 (0.5); 4.2178 (0.5); 4.2070 (0.5); 4.1954 (0.5); 4.1716 (1.4); 4.1478 (1.5); 4.1241 (0.5); 3.9071 (0.5); 3.8901 (0.6); 3.8832 (0.6); 3.8661 (0.6); 3.8582 (0.5); 3.8365 (0.9); 3.8190 (0.9); 3.7962 (0.6); 3.7887 (0.5); 3.7715 (0.5); 3.7645 (0.5); 3.7476 (0.4); 3.3632 (2.2); 3.3463 (2.2); 3.3365 (2.1); 3.3198 (2.0); 2.0831 (6.5); 1.6523 (13.7); 1.6303 (13.6); 1.5954 (16.0); 1.3213 (1.7); 1.2975 (3.5); 1.2738 (1.7); 0.0493 (0.7); 0.0383 (19.0); 0.0279 (0.7)
I-351: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.7887 (2.4); 8.6944 (1.6); 8.6782 (1.6); 7.6311 (0.8); 7.6070 (2.4); 7.6022 (1.5); 7.5962 (1.6); 7.5866 (0.7); 7.5676 (2.3); 7.5364 (1.2); 7.5299 (1.4); 7.5094 (0.6); 7.5014 (0.9); 7.4940 (0.6); 7.4791 (0.6); 7.3419 (1.4); 7.3256 (1.4); 7.2986 (18.5); 7.2367 (0.8); 7.2302 (0.8); 7.2084 (0.7); 7.2016 (0.6); 6.5389 (0.3); 6.5178 (0.5); 4.5217 (0.4); 4.5001 (0.4); 4.4733 (0.8); 4.4519 (0.7); 4.4248 (0.4); 4.4034 (0.4); 2.4323 (1.0); 2.2277 (9.3); 2.0813 (0.5); 1.6033 (16.0); 1.3199 (0.3); 1.2919 (1.4); 0.1067 (0.6); 0.0479 (0.7); 0.0371 (16.5); 0.0261 (0.7)
I-352: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.1427 (2.9); 9.1227 (2.9); 8.1487 (16.0); 7.9528 (1.7); 7.7589 (1.3); 7.7394 (4.1); 7.7202 (8.9); 7.6970 (4.9); 7.6774 (2.0); 7.6397 (3.4); 7.6350 (2.2); 7.6195 (2.1); 7.0838 (2.9); 7.0641 (4.6); 7.0558 (6.4); 6.9541 (4.9); 6.9346 (3.8); 5.0818 (0.5); 5.0644 (1.8); 5.0461 (2.6); 5.0277 (1.8); 5.0101 (0.4); 3.3616 (53.7); 3.3536 (68.9); 3.3515 (70.2); 2.8911 (11.9); 2.7324 (10.2); 2.6731 (0.4); 2.6684 (0.4); 2.6487 (2.7); 2.6351 (5.3); 2.6201 (2.9); 2.5905 (0.4); 2.5736 (0.7); 2.5464 (1.2); 2.5315 (2.7); 2.5130 (16.8); 2.5086 (33.6); 2.5041 (44.7); 2.4996 (32.2); 2.4952 (16.0); 2.4627 (0.7); 1.6974 (0.7); 1.6601 (7.0); 1.6523 (5.8); 1.6446 (6.9); 1.6339 (2.9); 1.6146 (1.1); 1.6015 (0.5); 1.4221 (13.5); 1.4046 (13.4); 1.2398 (0.7); −0.0003 (1.0)
I-353: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 8.1232 (1.0); 7.8580 (3.7); 7.6879 (1.9); 7.5454 (2.1); 7.5088 (5.9); 7.4587 (3.8); 7.3838 (2.7); 7.3210 (0.8); 7.2610 (1.6); 7.0636 (2.2); 7.0491 (2.6); 6.9523 (4.2); 6.9107 (1.4); 6.8741 (2.4); 6.8604 (2.2); 6.7619 (1.1); 5.2896 (6.9); 4.5313 (1.9); 4.1797 (7.3); 3.7342 (3.7); 3.7226 (3.9); 3.0792 (11.9); 2.9143 (5.0); 2.9020 (3.1); 2.8753 (1.6); 2.8041 (0.5); 2.6768 (3.3); 2.4158 (0.4); 2.2907 (13.3); 2.2549 (16.0); 2.2074 (4.1); 2.1752 (0.6); 2.1476 (1.6); 1.5990 (0.4); 1.4644 (0.3); 1.4189 (1.5); 1.2577 (6.3); 1.2227 (1.4); 1.2088 (1.5); 1.1108 (4.3); 0.9909 (0.6); 0.8793 (1.0); 0.8490 (1.2); −0.0002 (1.2)
I-354: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.1902 (0.9); 9.1746 (1.8); 9.1586 (0.9); 8.2741 (2.7); 8.2699 (3.0); 7.8313 (1.3); 7.8273 (1.4); 7.8102 (1.6); 7.8061 (1.8); 7.7476 (0.8); 7.7278 (2.1); 7.7080 (1.9); 7.6948 (6.5); 7.6822 (2.4); 7.6624 (1.1); 7.6408 (3.0); 7.6194 (2.4); 7.5737 (2.7); 7.5143 (1.5); 7.4941 (1.2); 4.2739 (0.8); 4.2581 (0.9); 4.2407 (1.8); 4.2247 (1.7); 4.2072 (0.9); 4.1910 (0.8); 3.3316 (147.5); 2.6835 (0.4); 2.6791 (0.5); 2.5903 (16.0); 2.5492 (43.0); 2.5143 (56.7); 2.5100 (76.7); 2.5058 (62.5); 2.3368 (0.5); 2.3325 (0.4)
I-355: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.3007 (16.0); 8.0572 (0.7); 7.7011 (1.8); 7.6613 (1.1); 7.6397 (9.5); 7.6177 (4.3); 7.5830 (5.6); 7.5208 (2.8); 7.4948 (3.4); 7.4308 (2.5); 7.4047 (3.4); 7.3238 (5.4); 7.3043 (31.3); 7.2831 (5.2); 7.2763 (3.3); 7.2684 (1.6); 7.2570 (4.5); 7.2313 (1.8); 3.7898 (10.8); 3.7714 (10.8); 2.9996 (5.4); 2.9262 (4.8); 1.6063 (13.4); 1.2977 (2.0); 1.2757 (0.4); 1.1074 (2.3); 1.0845 (8.6); 1.0711 (8.0); 1.0361 (7.6); 1.0228 (8.5); 0.9996 (2.3); 0.9224 (0.6); 0.8980 (0.5); 0.1131 (1.2); 0.0534 (1.0); 0.0427 (30.1); 0.0318 (1.3)
I-356: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.0479 (2.0); 9.0267 (2.0); 8.1839 (9.2); 7.7493 (0.7); 7.7293 (2.3); 7.7091 (2.3); 7.6824 (4.7); 7.6775 (4.0); 7.6334 (2.0); 7.6129 (1.4); 7.2155 (2.8); 7.1959 (3.1); 6.9178 (3.8); 6.8956 (2.1); 6.8754 (1.8); 5.1512 (0.5); 5.1359 (1.0); 5.1186 (1.2); 5.1010 (0.5); 3.3339 (237.6); 2.7239 (0.8); 2.7063 (2.1); 2.6910 (2.1); 2.6757 (1.3); 2.6475 (0.3); 2.5414 (31.2); 2.5064 (79.7); 2.5020 (104.2); 2.4976 (78.0); 2.3329 (0.5); 2.3286 (0.6); 2.2175 (16.0); 2.0184 (0.4); 2.0048 (0.6); 1.9951 (0.7); 1.9832 (0.9); 1.9744 (1.0); 1.9603 (0.6); 1.8822 (0.6); 1.8690 (0.7); 1.8572 (0.8); 1.8372 (0.7); 1.8031 (0.4); 1.7805 (0.9); 1.7622 (1.5); 1.7512 (1.8); 1.7368 (1.4); −0.0002 (3.0)
I-357: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.0254 (1.9); 8.1689 (5.7); 7.9549 (0.6); 7.7710 (0.4); 7.7513 (1.3); 7.7306 (2.1); 7.7277 (2.0); 7.7004 (1.4); 7.6808 (0.7); 7.6545 (1.0); 7.6350 (0.7); 7.4945 (0.3); 7.4875 (3.1); 7.4826 (1.1); 7.4709 (1.2); 7.4658 (4.1); 7.4590 (0.6); 7.3243 (0.5); 7.3174 (4.3); 7.3124 (1.3); 7.3007 (1.0); 7.2957 (3.4); 7.2888 (0.4); 3.3619 (11.3); 3.3566 (12.9); 3.3523 (15.6); 3.3493 (17.8); 2.8923 (4.1); 2.7340 (3.5); 2.5149 (4.1); 2.5104 (8.6); 2.5059 (11.6); 2.5013 (8.3); 2.4968 (4.0); 1.6340 (16.0)
I-358: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.0258 (2.5); 7.9615 (2.6); 7.8359 (0.7); 7.7811 (5.9); 7.7757 (5.5); 7.7726 (5.3); 7.7598 (5.4); 7.6990 (0.5); 7.6772 (0.5); 7.6420 (0.8); 7.5954 (4.8); 7.5491 (2.0); 7.5321 (4.2); 7.5277 (4.2); 7.5054 (4.0); 7.5002 (3.9); 7.4760 (3.6); 7.4548 (3.1); 7.4339 (1.5); 7.4232 (1.8); 7.3536 (0.4); 7.3229 (0.4); 7.2876 (3.1); 7.2829 (3.0); 7.1527 (1.5); 7.1478 (1.5); 6.0541 (1.6); 5.9377 (1.6); 3.9390 (0.4); 3.9333 (0.4); 3.9021 (1.3); 3.8791 (1.7); 3.8663 (1.8); 3.8518 (1.6); 3.8294 (1.6); 3.8197 (1.4); 3.7753 (0.6); 3.5700 (0.4); 3.3235 (129.7); 3.3184 (117.2); 3.3148 (101.9); 2.9644 (0.4); 2.9044 (10.5); 2.8991 (9.7); 2.7450 (9.9); 2.7398 (9.4); 2.6075 (15.8); 2.6025 (16.0); 2.5143 (21.8); 2.5101 (24.1); 2.4696 (2.1); 2.4643 (2.0); 1.2466 (0.4)

TABLE 2-continued

I-359: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.0888 (1.5); 9.0733 (3.0); 9.0595 (1.5); 8.0788 (13.2); 7.7631 (1.1); 7.7429 (9.1); 7.7241 (3.4); 7.7054 (4.2); 7.6851 (6.4); 7.6033 (2.9); 7.5830 (2.3); 7.4956 (0.5); 7.4754 (15.5); 7.4504 (0.5); 6.0456 (1.0); 6.0326 (1.9); 6.0207 (1.0); 5.9307 (1.0); 5.9176 (2.0); 5.9053 (1.1); 4.0382 (0.5); 4.0206 (0.5); 3.8977 (1.7); 3.8825 (2.6); 3.8727 (1.3); 3.8674 (1.3); 3.8397 (1.9); 3.8253 (2.9); 3.8119 (1.4); 3.3191 (58.1); 2.6710 (0.9); 2.5062 (111.2); 2.5019 (140.9); 2.4976 (103.0); 2.3287 (0.8); 1.9887 (2.0); 1.3978 (16.0); 1.1929 (0.5); 1.1751 (1.1); 1.1571 (0.5); −0.0002 (4.0)

I-360: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.1717 (1.7); 9.1561 (3.6); 9.1405 (1.8); 7.9987 (16.0); 7.7684 (1.4); 7.7486 (4.2); 7.7290 (4.2); 7.7127 (5.2); 7.6933 (2.1); 7.6486 (5.8); 7.5745 (3.3); 7.5549 (2.6); 7.4240 (5.4); 7.4034 (5.9); 7.2531 (6.8); 6.8610 (3.4); 6.8427 (3.2); 4.2714 (1.6); 4.2558 (1.7); 4.2362 (3.6); 4.2205 (3.5); 4.2009 (1.9); 4.1853 (1.7); 3.3386 (136.8); 3.3345 (144.4); 2.6771 (0.4); 2.6723 (0.6); 2.5425 (57.5); 2.5077 (77.0); 2.5033 (99.3); 2.4990 (72.4); 2.3301 (0.6); 2.3256 (0.4); 2.1662 (0.6); 1.9071 (0.7); 1.8943 (1.4); 1.8856 (1.6); 1.8735 (2.8); 1.8612 (1.8); 1.8527 (1.6); 1.8404 (0.8); 0.9825 (1.7); 0.9713 (5.0); 0.9658 (5.4); 0.9504 (5.1); 0.9451 (5.0); 0.9344 (1.8); 0.6488 (1.8); 0.6375 (6.0); 0.6330 (5.6); 0.6256 (5.5); 0.6207 (6.0); 0.6092 (1.6); −0.0002 (2.4)

I-361: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 7.5289 (0.4); 7.5131 (2.0); 7.5002 (5.2); 7.4217 (2.6); 7.3765 (1.0); 7.3713 (1.5); 7.3668 (1.2); 7.3583 (1.3); 7.3502 (2.6); 7.3422 (0.5); 7.3341 (2.6); 7.2587 (3.2); 7.0429 (3.1); 6.9537 (1.6); 6.9378 (1.4); 6.4372 (0.7); 6.4252 (1.3); 6.4133 (0.7); 4.2185 (1.0); 4.2060 (1.0); 4.1891 (2.2); 4.1767 (2.2); 4.1597 (1.2); 4.1473 (1.1); 3.2734 (0.3); 3.2592 (0.8); 3.2450 (1.1); 3.2308 (0.8); 3.2167 (0.4); 2.9212 (0.6); 2.8140 (0.5); 2.4790 (8.6); 2.3099 (0.4); 2.2855 (11.3); 1.9871 (1.4); 1.5840 (0.8); 1.4001 (16.0); 1.3859 (16.0); 1.3435 (0.6); 1.3297 (0.6); 1.2970 (1.1); 1.1308 (0.5); 1.1176 (0.5); −0.0002 (3.3)

I-362: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.2942 (9.2); 8.2901 (16.0); 8.1185 (2.6); 7.5844 (9.1); 7.5807 (6.8); 7.4255 (3.1); 7.3991 (6.8); 7.3669 (24.0); 7.3636 (16.4); 7.3014 (12.6); 7.2973 (22.6); 7.0968 (4.8); 7.0709 (4.0); 7.0190 (3.8); 7.0157 (4.1); 7.0112 (4.0); 6.9921 (3.2); 6.9888 (3.5); 6.9844 (3.6); 6.9458 (7.0); 6.9403 (6.8); 6.1188 (1.7); 6.1080 (1.8); 6.0959 (1.9); 6.0852 (1.6); 5.9639 (1.7); 5.9531 (1.8); 5.9410 (1.9); 5.9304 (1.6); 5.3402 (1.4); 5.3360 (2.5); 4.3336 (0.8); 4.3226 (0.9); 4.3113 (0.8); 4.3003 (0.8); 4.2847 (1.1); 4.2737 (1.1); 4.2627 (1.0); 4.2515 (1.4); 4.2353 (0.8); 4.2242 (0.9); 4.2134 (0.8); 4.1974 (1.1); 4.1868 (1.0); 4.1754 (1.0); 4.1647 (0.9); 3.9017 (0.9); 3.8843 (1.4); 3.8790 (1.0); 3.8612 (1.1); 3.8532 (0.9); 3.8296 (1.7); 3.8116 (1.9); 3.7884 (1.1); 3.7797 (0.9); 3.7623 (1.1); 3.7396 (0.7); 2.0278 (0.7); 2.0108 (1.6); 1.9994 (2.0); 1.9831 (3.1); 1.9706 (1.9); 1.9662 (1.8); 1.9553 (1.7); 1.9382 (0.9); 1.5887 (15.1); 1.2953 (0.7); 1.0897 (2.0); 1.0744 (6.9); 1.0677 (6.6); 1.0522 (5.1); 1.0458 (7.0); 1.0402 (5.2); 1.0246 (2.4); 1.0023 (0.4); 0.9749 (0.3); 0.8029 (2.6); 0.7875 (8.7); 0.7814 (6.1); 0.7708 (7.8); 0.7656 (6.8); 0.7490 (1.9); 0.1072 (0.6); 0.0410 (13.0); 0.0368 (23.5); 0.0259 (1.0)

I-363: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.3803 (8.8); 8.0229 (0.7); 8.0049 (1.2); 7.9842 (0.7); 7.7092 (0.3); 7.6831 (2.7); 7.6776 (2.3); 7.6725 (2.3); 7.6651 (6.1); 7.6618 (6.0); 7.6504 (0.5); 7.6453 (0.5); 7.5284 (4.8); 7.4991 (6.4); 7.4773 (1.3); 7.4650 (1.8); 7.4582 (1.7); 7.4465 (1.7); 7.4345 (6.3); 7.4052 (3.2); 7.2992 (20.7); 5.2409 (0.5); 5.2187 (1.5); 5.2015 (1.6); 5.1969 (1.7); 5.1797 (1.6); 5.1579 (0.5); 4.2899 (1.7); 4.2697 (1.6); 4.2423 (3.6); 4.2221 (3.4); 4.1947 (1.8); 4.1745 (1.7); 3.2981 (4.4); 3.2812 (4.3); 1.6547 (13.5); 1.6327 (13.4); 1.6150 (0.3); 1.5925 (16.0); 1.3068 (0.9); 0.9205 (1.0); 0.8975 (0.4); 0.0491 (0.8); 0.0384 (21.7); 0.0275 (0.8)

I-364: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.1727 (0.9); 9.1530 (0.9); 8.1757 (3.4); 8.1746 (3.8); 8.1712 (2.3); 7.9541 (0.6); 7.7535 (0.5); 7.7340 (1.6); 7.7145 (1.6); 7.7015 (2.2); 7.6912 (2.1); 7.6712 (0.8); 7.6302 (1.3); 7.6105 (0.8); 7.2669 (1.0); 7.2622 (1.2); 7.2353 (1.0); 7.2304 (1.3); 7.1717 (0.8); 7.1499 (1.3); 7.1471 (1.3); 7.0876 (1.4); 7.0657 (2.1); 7.0442 (1.0); 5.1023 (0.7); 5.0839 (1.0); 5.0660 (0.7); 3.7905 (16.0); 3.3893 (14.1); 3.3830 (11.8); 3.3787 (11.4); 3.3730 (13.5); 3.3602 (14.5); 2.8928 (3.9); 2.7341 (3.4); 2.5157 (5.0); 2.5113 (10.7); 2.5067 (14.4); 2.5022 (10.4); 2.4977 (5.0); 1.4360 (5.2); 1.4186 (5.2)

I-365: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 9.4984 (0.6); 8.3632 (5.0); 7.6049 (0.6); 7.5791 (1.6); 7.5530 (1.2); 7.4905 (1.5); 7.4649 (0.8); 7.3639 (1.9); 7.3540 (2.6); 7.3459 (1.4); 7.3270 (2.4); 7.2982 (6.0); 7.0658 (2.1); 6.9353 (1.1); 6.9015 (1.5); 6.7132 (2.2); 6.5255 (1.1); 4.7050 (1.1); 4.6880 (1.0); 4.6568 (2.2); 4.6397 (2.1); 4.6086 (1.1); 4.5915 (1.1); 2.7861 (0.5); 2.7544 (16.0); 2.5430 (0.4); 2.5093 (3.5); 2.5026 (6.1); 2.4953 (3.4); 2.4057 (0.4); 2.3111 (8.2); 1.6010 (1.2); 1.2959 (0.4); 0.0389 (6.2)

I-366: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.1265 (1.0); 9.1122 (2.0); 9.0974 (1.0); 8.1058 (11.0); 7.7607 (0.7); 7.7410 (2.2); 7.7209 (2.4); 7.7015 (6.6); 7.6850 (1.4); 7.6191 (2.2); 7.6002 (1.5); 7.4064 (3.1); 7.3856 (3.8); 7.3079 (0.3); 7.2795 (3.3); 7.2157 (2.0); 7.2113 (1.8); 7.1950 (1.7); 7.1900 (1.6); 5.9610 (0.7); 5.9525 (0.8); 5.9431 (0.8); 5.9339 (0.7); 5.8443 (0.7); 5.8350 (0.8); 5.8254 (0.9); 5.8178 (0.7); 5.7561 (4.2); 3.8398 (0.3); 3.8335 (0.3); 3.8253 (0.3); 3.8120 (0.5); 3.8034 (0.6); 3.7973 (0.6); 3.7884 (0.5); 3.7425 (0.9); 3.7270 (1.2); 3.7190 (0.7); 3.7105 (0.7); 3.6934 (0.8); 3.6783 (0.8); 3.6603 (0.6); 3.6416 (0.3); 3.3191 (42.0); 2.6748 (0.9); 2.6704 (1.2); 2.6659 (0.9); 2.5235 (3.6); 2.5101 (83.0); 2.5059 (167.7); 2.5014 (220.5); 2.4969 (159.0); 2.4926 (77.4); 2.3499 (16.0); 2.3330 (1.2); 2.3280 (1.4); 2.3235 (1.1); 2.2921 (0.3); 1.9884 (0.5); 1.2350 (1.0); 1.1749 (0.5); 1.1634 (0.3); 0.8804 (0.6); 0.1463 (0.5); 0.0079 (4.9); −0.0002 (117.4); −0.0084 (5.2); −0.1497 (0.5)

I-367: ^{1}H-NMR(499.9 MHz, d_6-DMSO):
δ = 9.0714 (1.6); 9.0595 (3.3); 9.0477 (1.6); 8.0203 (16.0); 7.6482 (4.9); 7.6469 (4.8); 7.5612 (5.5); 7.5444 (6.6); 7.3695 (3.6); 7.3654 (3.6); 7.3525 (6.0); 7.3486 (3.3); 7.3365 (6.4); 7.3208 (3.7); 7.0232 (3.4); 7.0075 (3.2); 6.9949 (2.5); 6.9939 (2.5); 6.9905 (3.0); 6.9789 (2.2); 6.9779 (2.2); 6.9744 (2.8); 6.9379 (4.1); 6.9341 (5.8); 6.9303 (3.3); 6.0402 (1.1); 6.0295 (1.8); 6.0200 (1.1); 5.9479 (1.1); 5.9374 (2.0); 5.9277 (1.1); 3.8773 (1.5); 3.8648 (2.4); 3.8588 (1.3); 3.8526 (1.2); 3.8312 (2.0); 3.8193 (2.9); 3.8109 (1.3); 3.8072 (1.2); 3.3240 (13.9); 3.0802 (1.5); 2.5130 (1.4); 2.5095 (3.1); 2.5060 (4.2); 2.5024 (3.1); 2.4990 (1.4); 1.9932 (0.6); 1.9831 (1.4); 1.9764 (1.5); 1.9664 (2.8); 1.9564 (1.6); 1.9497 (1.5); 1.9395 (0.8); 1.1090 (4.5); 0.9999 (1.7); 0.9912 (4.9); 0.9868 (5.2); 0.9835 (2.4); 0.9785 (2.4); 0.9745 (5.0); 0.9701 (5.0); 0.9619 (1.9); 0.7073 (1.9); 0.6987 (5.5); 0.6947 (5.5); 0.6889 (5.3); 0.6848 (5.8); 0.6759 (1.7)

TABLE 2-continued

I-368: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.1447 (2.1); 8.1982 (4.8); 7.9540 (1.0); 7.7722 (0.5); 7.7549 (3.1); 7.7346 (6.2); 7.7026 (1.5); 7.6830 (0.8); 7.6699 (4.1); 7.6532 (1.9); 7.6486 (3.1); 7.6358 (0.8); 3.3606 (18.1); 3.3557 (21.4); 3.3493 (23.7); 2.8925 (6.6); 2.7333 (5.9); 2.5144 (6.1); 2.5100 (12.9); 2.5055 (17.5); 2.5009 (12.6); 2.4964 (6.0); 1.6458 (16.0)
I-369: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5863 (2.6); 7.5826 (2.7); 7.5511 (0.6); 7.5291 (1.1); 7.5064 (0.7); 7.4746 (0.5); 7.4501 (1.2); 7.4474 (1.1); 7.4257 (0.8); 7.4230 (0.8); 7.3939 (7.3); 7.3905 (7.0); 7.3578 (1.2); 7.3310 (1.5); 7.2985 (11.9); 7.0980 (1.1); 6.9154 (2.3); 6.7327 (1.2); 6.4507 (0.4); 6.4322 (0.8); 6.4113 (0.4); 6.0940 (0.6); 6.0833 (0.7); 6.0714 (0.7); 6.0607 (0.6); 5.9391 (0.6); 5.9283 (0.7); 5.9164 (0.7); 5.9057 (0.6); 4.2293 (0.4); 4.2185 (0.4); 4.2075 (0.4); 4.1965 (0.4); 4.1914 (0.4); 4.1422 (0.4); 4.1315 (0.4); 4.1204 (0.4); 4.1095 (0.4); 3.9994 (0.4); 3.9796 (0.5); 3.9573 (0.4); 3.9275 (0.5); 3.9247 (0.5); 3.9049 (0.6); 3.8823 (0.4); 3.8755 (0.3); 3.8559 (0.4); 2.6379 (15.9); 2.6222 (1.1); 2.3421 (16.0); 1.6287 (1.2); 0.1073 (0.7); 0.0481 (0.5); 0.0374 (13.7); 0.0264 (0.5)
I-370: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 9.7425 (0.6); 8.4040 (5.1); 7.3710 (1.2); 7.3522 (1.9); 7.3447 (2.7); 7.3256 (2.2); 7.3184 (1.7); 7.2981 (6.5); 7.0619 (2.0); 7.0390 (1.4); 7.0129 (1.2); 6.9945 (1.0); 6.9916 (1.0); 6.9865 (1.2); 6.9837 (1.0); 6.9676 (0.9); 6.9646 (0.8); 6.9597 (1.1); 6.9569 (0.9); 6.9208 (1.1); 6.9037 (1.8); 6.8974 (2.9); 6.8913 (2.0); 4.6992 (1.0); 4.6821 (1.0); 4.6511 (2.2); 4.6340 (2.1); 4.6029 (1.1); 4.5858 (1.1); 2.7461 (16.0); 2.5096 (3.3); 2.5029 (6.0); 2.4954 (3.3); 2.3209 (8.0); 1.9814 (0.5); 1.9701 (0.6); 1.9535 (1.1); 1.9367 (0.6); 1.9255 (0.6); 1.5998 (2.3); 1.3059 (0.7); 1.2992 (0.7); 1.0596 (0.7); 1.0445 (1.9); 1.0375 (2.0); 1.0226 (1.1); 1.0161 (2.0); 1.0096 (1.8); 0.9947 (0.9); 0.9213 (0.7); 0.7820 (0.9); 0.7667 (2.3); 0.7611 (2.0); 0.7504 (1.9); 0.7446 (2.5); 0.7281 (0.7); 0.0393 (6.9)
I-371: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
6= 9.1138 (0.9); 9.0982 (2.0); 9.0823 (1.0); 7.8576 (3.4); 7.8539 (3.6); 7.7456 (0.8); 7.7259 (2.4); 7.7060 (2.0); 7.6735 (8.5); 7.6555 (1.4); 7.5912 (3.0); 7.5291 (1.7); 7.5092 (1.5); 7.4964 (2.3); 7.4751 (3.6); 7.4119 (2.2); 7.4079 (2.2); 7.3909 (1.4); 7.3867 (1.4); 4.2936 (0.8); 4.2778 (0.9); 4.2590 (1.8); 4.2433 (1.8); 4.2245 (1.0); 4.2087 (0.9); 3.3521 (13.5); 2.5898 (16.0); 2.5487 (17.8); 2.5134 (6.0); 2.5093 (7.6); 2.5053 (5.6); −0.0002 (0.6)
I-372: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.1267 (1.0); 9.1122 (2.0); 9.0982 (1.0); 8.1030 (9.8); 7.7616 (0.7); 7.7426 (2.1); 7.7223 (2.2); 7.7044 (6.6); 7.6851 (1.3); 7.6194 (2.1); 7.5999 (1.4); 7.4220 (3.7); 7.3566 (0.4); 7.3319 (9.5); 7.3114 (0.6); 5.9478 (0.7); 5.9395 (0.8); 5.9299 (0.8); 5.9216 (0.7); 5.8303 (0.7); 5.8218 (0.8); 5.8126 (0.9); 5.8035 (0.8); 5.7561 (8.4); 3.8381 (0.3); 3.8104 (0.5); 3.8016 (0.6); 3.7965 (0.5); 3.7870 (0.5); 3.7390 (0.9); 3.7309 (0.7); 3.7243 (1.0); 3.7032 (0.6); 3.6863 (0.8); 3.6702 (0.8); 3.6530 (0.6); 3.6337 (0.3); 3.3187 (27.1); 2.6751 (0.7); 2.6703 (1.0); 2.6660 (0.7); 2.5098 (64.0); 2.5057 (125.1); 2.5013 (162.4); 2.4969 (117.7); 2.4927 (58.5); 2.3460 (16.0); 2.3331 (1.2); 2.3285 (1.2); 2.3236 (0.9); 2.2893 (0.3); 1.9886 (0.5); 1.2352 (0.7); 1.1746 (0.4); 0.1458 (0.4); 0.0074 (4.0); −0.0002 (82.2); −0.0084 (4.1); −0.1499 (0.4)
I-373: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.1546 (1.7); 9.1344 (1.7); 8.1477 (9.3); 7.9522 (0.4); 7.7600 (0.7); 7.7403 (2.4); 7.7205 (5.2); 7.6977 (2.8); 7.6783 (1.2); 7.6401 (1.9); 7.6199 (1.2); 7.1429 (3.4); 7.1021 (1.3); 7.0825 (2.2); 7.0789 (2.2); 7.0387 (3.5); 7.0193 (1.9); 5.0760 (1.0); 5.0577 (1.5); 5.0392 (1.1); 3.3825 (99.9); 3.3797 (102.7); 2.8917 (2.4); 2.7330 (2.1); 2.5280 (0.4); 2.5146 (9.5); 2.5103 (20.3); 2.5058 (27.5); 2.5013 (20.0); 2.4969 (9.7); 2.1437 (15.3); 2.0683 (16.0); 1.4277 (8.1); 1.4102 (8.2)
I-374: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ =9.0410 (0.8); 9.0263 (1.6); 9.0117 (0.8); 7.9609 (1.6); 7.7779 (6.2); 7.7249 (0.4); 7.6431 (3.3); 7.6180 (1.2); 7.5973 (2.7); 7.5890 (2.0); 7.5770 (3.9); 7.5559 (3.2); 7.5213 (0.7); 7.4719 (1.5); 7.4517 (2.1); 7.4315 (1.0); 7.4224 (2.2); 7.4173 (3.1); 7.4016 (1.5); 7.3969 (1.5); 7.2814 (2.9); 7.1463 (1.5); 6.0795 (0.6); 6.0686 (0.9); 6.0537 (0.6); 5.9634 (0.6); 5.9529 (0.9); 5.9384 (0.6); 3.9214 (0.5); 3.9053 (0.9); 3.8864 (0.9); 3.8714 (0.9); 3.8617 (0.7); 3.8506 (1.0); 3.8354 (0.7); 3.8264 (0.7); 3.8145 (0.7); 3.8026 (0.5); 3.3178 (126.3); 2.8989 (9.4); 2.7400 (8.8); 2.6023 (16.0); 2.5132 (10.8); 2.5092 (14.0); 2.5054 (10.6); 2.4664 (1.7)
I-375: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
6= 9.0579 (0.8); 9.0422 (1.6); 9.0265 (0.7); 7.7333 (0.7); 7.7141 (2.1); 7.7055 (6.4); 7.6945 (1.7); 7.6681 (2.0); 7.6481 (1.0); 7.5918 (2.5); 7.5678 (3.3); 7.5464 (4.5); 7.5312 (1.5); 7.5109 (1.1); 7.4316 (4.2); 7.4103 (3.1); 4.1396 (0.8); 4.1239 (0.8); 4.1048 (1.8); 4.0890 (1.7); 4.0696 (0.9); 4.0542 (0.8); 3.3593 (0.4); 3.3181 (309.4); 2.6743 (1.4); 2.6699 (1.9); 2.6656 (1.4); 2.5898 (16.0); 2.5403 (38.0); 2.5052 (215.9); 2.5008 (288.4); 2.4963 (223.4); 2.3319 (1.4); 2.3275 (1.9); 2.3231 (1.4); −0.0002 (1.0)
I-376: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.3265 (0.8); 8.2843 (0.4); 8.2723 (16.0); 7.6870 (8.7); 7.6696 (9.8); 7.6413 (0.9); 7.6380 (0.8); 7.5755 (0.4); 7.4822 (7.4); 7.4756 (7.5); 7.4451 (4.4); 7.3574 (0.4); 7.3441 (1.7); 7.3352 (1.8); 7.3284 (2.6); 7.3220 (2.4); 7.3136 (1.7); 7.3016 (3.8); 7.1443 (5.7); 7.1171 (8.6); 7.0205 (5.0); 7.0139 (4.9); 6.9932 (3.3); 6.9866 (3.2); 5.3313 (13.2); 3.9082 (0.4); 3.8134 (0.4); 3.7950 (0.4); 3.7371 (8.9); 3.7185 (8.7); 2.1987 (2.7); 1.7006 (2.9); 1.3349 (0.3); 1.3120 (0.3); 1.2918 (0.7); 1.1323 (2.5); 1.1154 (6.8); 1.1107 (8.0); 1.0945 (3.8); 1.0449 (0.6); 1.0254 (0.5); 0.9756 (3.6); 0.9593 (7.9); 0.9379 (2.3); 0.1117 (2.8); 0.0344 (2.3)
I-377: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.0357 (1.6); 9.0209 (3.1); 9.0069 (1.6); 8.7404 (0.3); 8.3158 (0.4); 8.1642 (0.4); 8.1178 (0.6); 8.0954 (14.6); 8.0838 (1.9); 7.7580 (1.3); 7.7388 (4.1); 7.7193 (4.4); 7.7025 (5.8); 7.6805 (6.8); 7.6098 (3.3); 7.5906 (2.8); 7.5012 (3.4); 7.4869 (4.4); 7.4806 (4.6); 7.4667 (3.7); 7.2854 (0.5); 7.2720 (0.7); 7.2653 (0.7); 7.2500 (0.6); 7.1697 (4.1); 7.1480 (7.5); 7.1260 (3.6); 6.9836 (0.6); 6.9609 (1.0); 6.9389 (0.5); 6.3056 (1.2); 6.2903 (1.1); 5.7864 (1.1); 5.7757 (1.5); 5.7686 (1.4); 5.7559 (16.0); 5.6677 (1.1); 5.6572 (1.4); 5.6501 (1.3); 5.6401 (1.1); 4.6063 (0.6); 4.5905 (0.8); 4.5738 (0.6); 4.4143 (0.3); 4.4020 (0.4); 4.3963 (0.4); 4.3844 (0.4); 4.0377 (0.7); 4.0202 (0.7); 3.8898 (0.4); 3.8741 (0.6); 3.8550 (1.1); 3.8383 (1.5); 3.8210 (1.5); 3.8074 (2.2); 3.7924 (2.2); 3.7743 (1.1); 3.7559 (1.1); 3.7409 (1.2); 3.7309 (0.9); 3.7197 (0.5); 3.7052 (0.8); 3.6917 (0.6); 3.6670 (0.5); 3.6562 (0.4); 3.6075 (0.5); 3.5945 (0.4); 3.5383 (0.7); 3.5189 (0.8); 3.5060 (0.7); 3.3199 (53.0); 2.8713 (0.5); 2.8445 (0.5); 2.8276 (1.0); 2.8101 (0.4); 2.6704 (1.8); 2.5057 (250.1); 2.5015 (317.2); 2.4972 (231.3); 2.3283 (1.8); 1.9886 (2.8); 1.4013 (4.4); 1.3843 (4.6); 1.3689 (1.0); 1.3501 (0.6); 1.3320 (1.2); 1.3139 (1.2); 1.2954

TABLE 2-continued

(0.8); 1.2753 (0.4); 1.2358 (3.4); 1.2063 (0.5); 1.1928 (1.0); 1.1748 (1.8); 1.1642 (0.9); 1.1572 (1.1); 1.1478 (1.4); 1.1299 (0.9); 0.9362 (0.6); 0.9198 (0.6); 0.8805 (3.5); 0.8539 (0.5); 0.1460 (0.6); −0.0002 (148.8); −0.0083 (8.0); −0.1497 (0.7)

I-378: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.3683 (11.6); 8.0551 (2.0); 7.9230 (1.1); 7.8962 (1.2); 7.6522 (3.7); 7.6501 (3.7); 7.6451 (2.6); 7.6359 (6.7); 7.6328 (6.7); 7.5355 (3.3); 7.5024 (0.4); 7.4892 (1.4); 7.4750 (1.9); 7.4687 (1.7); 7.4593 (1.2); 7.4506 (0.8); 7.3035 (23.2); 6.6384 (8.6); 5.4209 (0.5); 5.4014 (1.2); 5.3779 (1.3); 2.9984 (16.0); 2.9246 (14.5); 2.6391 (1.6); 2.6223 (2.8); 2.3562 (0.4); 2.3179 (1.2); 2.3045 (0.9); 2.2906 (0.8); 2.2738 (0.9); 2.2568 (0.3); 1.9592 (1.1); 1.9362 (2.3); 1.9201 (4.4); 1.9075 (2.5); 1.9007 (2.5); 1.8838 (0.9); 1.8764 (0.8); 1.6153 (12.6); 1.2968 (1.9); 0.9231 (0.4); 0.8968 (0.4); 0.1117 (0.4); 0.0521 (0.7); 0.0413 (24.0); 0.0304 (0.8)

I-379: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 9.2839 (2.0); 8.5933 (2.3); 8.3855 (4.7); 8.1069 (0.9); 8.0937 (0.8); 8.0894 (0.9); 8.0809 (1.1); 8.0784 (1.1); 8.0648 (1.0); 7.9575 (0.4); 7.8170 (0.5); 7.8128 (0.5); 7.7939 (0.9); 7.7891 (1.0); 7.7845 (0.5); 7.7662 (0.7); 7.7613 (0.6); 7.7266 (0.8); 7.7229 (0.8); 7.6998 (1.0); 7.6963 (0.7); 7.6759 (0.4); 7.6732 (0.4); 7.5800 (2.3); 7.5716 (1.4); 7.5549 (0.9); 7.3208 (2.0); 7.3166 (1.9); 7.2984 (15.7); 5.3373 (0.6); 5.2045 (2.6); 5.1859 (2.6); 1.6114 (16.0); 0.0474 (0.4); 0.0366 (12.9); 0.0257 (0.4)

I-380: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.1954 (5.0); 7.9872 (0.6); 7.9611 (0.6); 7.6099 (1.4); 7.5897 (4.0); 7.5866 (3.4); 7.5693 (0.3); 7.5192 (1.8); 7.4693 (0.8); 7.4594 (1.2); 7.4521 (0.9); 7.4468 (0.5); 7.4382 (0.8); 7.4309 (0.4); 7.2985 (1.6); 6.6189 (4.8); 5.3944 (0.6); 5.3703 (0.6); 2.7698 (16.0); 2.6109 (1.4); 2.6004 (1.3); 2.3021 (0.6); 2.2886 (0.5); 2.2759 (0.4); 2.2584 (0.4); 1.9513 (0.5); 1.9435 (0.5); 1.9270 (1.2); 1.9186 (1.2); 1.9088 (2.5); 1.8974 (1.4); 1.8890 (1.3); 1.7208 (0.4); 0.0334 (1.6)

I-381: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 9.4227 (1.9); 8.7129 (9.3); 8.7079 (6.1); 8.6980 (6.2); 8.6929 (9.8); 8.0875 (1.3); 8.0680 (2.4); 8.0486 (1.3); 7.6402 (0.7); 7.6138 (4.7); 7.6071 (3.9); 7.6024 (4.1); 7.5954 (11.0); 7.5923 (10.6); 7.5829 (1.4); 7.5685 (0.6); 7.5631 (0.7); 7.5421 (10.9); 7.5369 (6.9); 7.5273 (6.8); 7.5220 (10.7); 7.5031 (6.9); 7.4740 (16.0); 7.4281 (1.0); 7.4215 (0.9); 7.4123 (2.8); 7.3995 (12.2); 7.3826 (3.4); 7.3713 (6.7); 7.2983 (8.7); 5.3303 (0.9); 4.2366 (0.8); 4.2164 (2.6); 4.1963 (2.6); 4.1693 (5.7); 4.1492 (5.5); 4.1223 (2.9); 4.1022 (2.8); 2.2305 (0.4); 2.2174 (0.9); 2.2089 (1.5); 2.1957 (2.1); 2.1870 (2.1); 2.1743 (1.7); 2.1654 (1.0); 2.1522 (0.5); 1.2911 (2.2); 1.2681 (0.5); 0.9141 (0.3); 0.8898 (0.4); 0.4741 (0.6); 0.4599 (0.9); 0.4461 (4.2); 0.4379 (6.5); 0.4337 (7.3); 0.4184 (5.6); 0.4114 (5.0); 0.4038 (4.5); 0.3959 (4.1); 0.3914 (3.7); 0.3876 (3.7); 0.3808 (4.1); 0.3547 (0.8); 0.1072 (1.3); 0.0338 (8.7); 0.0229 (0.4)

I-382: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.0755 (0.6); 9.0608 (1.3); 9.0461 (0.7); 8.0271 (6.2); 7.6517 (2.3); 7.5715 (2.1); 7.5505 (2.6); 7.4030 (1.2); 7.3867 (1.8); 7.3824 (4.0); 7.3657 (1.5); 7.3618 (2.6); 6.9027 (1.1); 6.8977 (1.3); 6.8827 (1.0); 6.8771 (1.3); 6.8345 (1.4); 6.8291 (2.7); 6.8234 (1.9); 6.8158 (1.7); 6.8112 (1.1); 6.7961 (1.4); 6.7910 (1.1); 6.0555 (0.4); 6.0424 (0.8); 6.0302 (0.5); 5.9397 (0.4); 5.9271 (0.9); 5.9147 (0.5); 3.8897 (0.8); 3.8755 (1.3); 3.8610 (0.7); 3.8315 (0.9); 3.8174 (1.4); 3.8037 (0.9); 3.7792 (16.0); 3.3145 (64.4); 2.8995 (1.7); 2.7406 (1.5); 2.5139 (6.6); 2.5095 (9.1); 2.5052 (7.0)

I-383: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.6320 (0.5); 7.6061 (2.5); 7.5851 (7.6); 7.5640 (0.7); 7.5231 (3.6); 7.5015 (0.5); 7.4954 (0.4); 7.4844 (1.6); 7.4751 (2.5); 7.4678 (1.6); 7.4613 (1.0); 7.4536 (1.5); 7.4460 (0.9); 7.4087 (3.3); 7.3821 (3.8); 7.2983 (24.9); 7.1897 (1.0); 7.1681 (1.6); 7.1468 (1.0); 7.0868 (3.8); 7.0306 (2.2); 7.0181 (1.2); 7.0040 (1.9); 5.3374 (1.0); 5.0467 (0.6); 4.4120 (0.4); 4.3878 (0.6); 4.3607 (0.6); 4.3363 (0.6); 4.3123 (0.4); 4.1946 (0.6); 4.1708 (1.6); 4.1470 (1.6); 4.1232 (1.0); 4.0958 (1.0); 4.0685 (1.2); 4.0446 (0.6); 3.9347 (0.3); 3.8893 (0.7); 3.8416 (0.6); 3.7981 (0.3); 3.7820 (0.4); 3.7622 (0.6); 3.7382 (1.3); 3.7142 (1.1); 3.6871 (0.4); 2.6536 (1.8); 2.6491 (1.8); 2.6265 (4.4); 2.5980 (3.8); 2.5157 (11.2); 2.4006 (1.0); 2.3761 (2.7); 2.3391 (16.0); 2.3099 (1.9); 2.0827 (7.0); 1.6174 (8.0); 1.4701 (11.4); 1.3207 (2.2); 1.2969 (5.0); 1.2731 (2.2); 1.2133 (0.5); 0.9175 (0.4); 0.8941 (0.4); 0.1196 (1.4); 0.1078 (26.6); 0.0956 (1.2); 0.0484 (1.0); 0.0377 (23.5); 0.0268 (1.0)

I-384: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 8.8832 (2.2); 8.1346 (4.9); 7.9528 (0.5); 7.7706 (0.5); 7.7510 (1.4); 7.7298 (1.9); 7.7237 (2.0); 7.6992 (1.6); 7.6801 (0.8); 7.6541 (1.1); 7.6351 (0.8); 7.3786 (3.0); 7.3567 (3.4); 6.8228 (0.4); 6.8151 (3.4); 6.7931 (3.2); 3.7091 (14.0); 3.3743 (42.1); 3.3726 (42.4); 3.3699 (41.9); 3.3685 (41.8); 2.8917 (3.2); 2.7335 (2.9); 2.5100 (10.1); 2.5057 (13.7); 2.5014 (10.3); 1.6328 (16.0)

I-385: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.1242 (1.2); 9.1088 (2.5); 9.0932 (1.2); 7.9608 (1.6); 7.8204 (0.4); 7.7023 (8.8); 7.6019 (2.2); 7.5819 (3.6); 7.5612 (1.7); 7.4710 (2.3); 7.4512 (3.1); 7.4375 (1.1); 7.4315 (1.4); 7.4185 (1.9); 7.3810 (0.4); 7.3622 (0.4); 7.3299 (3.4); 7.3100 (3.8); 7.2834 (4.1); 7.1482 (2.5); 7.0762 (4.5); 6.9562 (2.4); 6.9356 (2.2); 4.1292 (1.2); 4.1136 (1.4); 4.0921 (2.8); 4.0763 (2.8); 4.0550 (1.5); 4.0392 (1.4); 3.3179 (171.4); 2.8989 (8.9); 2.7401 (8.3); 2.5954 (22.8); 2.5092 (18.1); 2.4629 (1.4); 2.4318 (11.6); 2.3948 (1.9): 2.3106 (1.6): 2.2733 (1.1): 2.2419 (0.3): 2.2119 (16.0): 2.1750 (0.9): 1.2456 (0.4)

I-386: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.0996 (1.7); 9.0793 (1.8); 7.9595 (0.5); 7.7268 (0.6); 7.7073 (1.8); 7.6881 (1.9); 7.6738 (2.6); 7.6544 (1.0); 7.6306 (2.2); 7.6109 (2.3); 7.5365 (4.4); 7.5142 (1.4); 7.3972 (2.2); 7.3765 (2.6); 7.3147 (4.8); 7.1285 (1.2); 7.1094 (2.0); 7.0907 (1.2); 6.8596 (1.3); 6.8407 (2.1); 6.8222 (1.1); 5.4665 (0.9); 5.4487 (1.3); 5.4305 (0.9); 3.7196 (16.0); 3.3382 (96.5); 2.8973 (2.6); 2.7382 (2.4); 2.5088 (12.1); 2.3413 (15.2); 1.6151 (6.2); 1.5983 (6.2)

I-387: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.2370 (1.7); 9.2213 (3.6); 9.2056 (1.7); 8.0366 (15.9); 7.7600 (1.3); 7.7405 (4.1); 7.7210 (4.7); 7.7102 (5.4); 7.6904 (1.8); 7.6563 (7.6); 7.6321 (9.0); 7.5796 (3.3); 7.5602 (2.5); 7.4055 (3.2); 7.3853 (2.7); 4.2234 (1.6); 4.2075 (1.7); 4.1872 (3.6); 4.1714 (3.5); 4.1510 (1.8); 4.1352 (1.7); 3.3294 (192.7); 2.7185 (0.4); 2.6829 (0.6); 2.6788 (0.8); 2.6744 (0.6); 2.5607 (16.0); 2.5489 (59.6); 2.5139 (91.7); 2.5095 (121.6); 2.5052 (93.9); 2.3363 (0.8); 2.3319 (0.6)

I-388: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 20.0082 (0.4); 9.0215 (2.0); 9.0063 (3.8); 8.9926 (2.0); 8.3142 (0.8); 8.1114 (0.3); 8.0811 (16.0); 7.7668 (1.6); 7.7465 (4.5); 7.7262 (4.5); 7.7093 (6.3); 7.6872 (12.9); 7.6654 (9.9); 7.6042 (3.8); 7.5841 (3.1); 7.5001 (0.7); 7.4796 (0.8); 7.3076 (0.3); 7.2328 (9.1); 7.2123 (8.4); 7.0706 (0.6); 7.0493

TABLE 2-continued

(0.6); 6.3043 (0.3); 5.7555 (3.5); 5.7465 (2.0); 5.7316 (1.3); 5.6412 (1.2); 5.6303 (1.7); 5.6132 (1.3); 4.0550 (0.5); 4.0371 (1.5); 4.0196 (1.6); 4.0017 (0.5); 3.8644 (0.4); 3.8479 (0.4); 3.8299 (1.3); 3.8137 (2.4); 3.7969 (2.7); 3.7789 (2.1); 3.7624 (2.0); 3.7460 (2.1); 3.7324 (1.6); 3.7206 (1.1); 3.6992 (0.6); 3.5285 (0.5); 3.5140 (0.4); 3.3178 (163.2); 3.1424 (0.3); 2.8079 (0.4); 2.7889 (0.5); 2.6700 (4.2); 2.5049 (593.4); 2.5008 (756.4); 2.4966 (556.9); 2.3277 (4.3); 1.9881 (6.5); 1.3976 (1.3); 1.3834 (0.8); 1.3072 (0.4); 1.2929 (0.5); 1.2347 (2.0); 1.1923 (1.9); 1.1744 (3.8); 1.1566 (2.1); 1.1470 (1.0); 0.8798 (1.2); 0.8526 (0.4); 0.1452 (1.7); −0.0004 (369.0); −0.1501 (1.8)

I-389: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.1918 (0.4); 8.1729 (0.8); 8.1525 (0.4); 7.5650 (1.2); 7.5420 (3.7); 7.5196 (0.4); 7.4991 (1.7); 7.4654 (0.8); 7.4566 (1.3); 7.4493 (0.8); 7.4351 (2.3); 7.4088 (1.9); 7.2991 (14.3); 7.0962 (1.9); 7.0595 (1.0); 7.0327 (0.9); 5.3382 (1.6); 4.2626 (0.9); 4.2425 (0.9); 4.2123 (1.9); 4.1923 (1.8); 4.1621 (1.0); 4.1423 (1.1); 3.8554 (1.6); 3.8368 (3.1); 3.8175 (1.8); 3.3993 (16.0); 3.1162 (1.8); 3.0973 (2.9); 3.0784 (1.6); 2.5421 (5.6); 2.5352 (3.2); 2.3266 (7.6); 1.5856 (7.9); 0.1087 (0.4); 0.0498 (0.5); 0.0390 (14.4); 0.0313 (0.4); 0.0297 (0.4); 0.0281 (0.5)

I-390: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.9918 (3.2); 8.9864 (3.3); 8.9778 (3.3); 8.9724 (3.2); 8.4964 (2.2); 8.4935 (2.6); 8.4916 (2.6); 8.4678 (2.4); 8.4650 (2.8); 8.3765 (0.4); 8.3690 (16.0); 8.3612 (0.4); 8.1570 (2.8); 8.1289 (3.3); 7.9665 (1.4); 7.7451 (2.7); 7.7215 (4.3); 7.7171 (2.6); 7.6933 (3.8); 7.6290 (3.8); 7.6074 (3.1); 7.5839 (8.4); 7.5612 (3.6); 7.5351 (1.0); 7.4975 (3.7); 7.4835 (3.6); 7.4689 (3.4); 7.4549 (3.4); 7.3795 (3.7); 7.3778 (3.7); 7.3251 (1.6); 7.3176 (2.2); 7.3103 (1.2); 7.3073 (1.2); 7.2983 (16.3); 7.2873 (1.2); 5.3342 (6.4); 5.2244 (8.3); 5.2055 (8.2); 2.1482 (0.4); 2.0779 (0.4); 1.6916 (1.2); 1.2903 (0.4); 0.1067 (3.9); 0.0458 (0.4); 0.0425 (0.3); 0.0351 (12.2); 0.0241 (0.4)

I-391: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.7796 (5.0); 7.9360 (0.4); 7.5638 (1.6); 7.5439 (4.4); 7.5408 (3.9); 7.5280 (0.3); 7.5238 (0.3); 7.4451 (2.1); 7.4187 (0.9); 7.4087 (1.4); 7.4012 (1.0); 7.3965 (0.6); 7.3878 (0.9); 7.3731 (2.1); 7.3464 (2.3); 7.2996 (1.7); 7.0770 (2.3); 7.0419 (0.6); 7.0216 (1.0); 7.0013 (0.6); 6.9769 (1.3); 6.9503 (1.1); 4.2617 (1.0); 4.2410 (1.0); 4.2130 (2.1); 4.1922 (2.0); 4.1642 (1.1); 4.1434 (1.0); 2.9550 (3.2); 2.8537 (2.8); 2.5172 (6.7); 2.5106 (3.8); 2.3351 (16.0); 2.3223 (9.4); 1.2971 (0.6); 0.9198 (0.4); 0.1141 (0.4); 0.0383 (1.6)

I-392: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.1870 (5.2); 7.9902 (0.7); 7.9640 (0.7); 7.6057 (1.4); 7.5850 (4.2); 7.5642 (0.3); 7.5172 (1.8); 7.4672 (0.8); 7.4573 (1.3); 7.4501 (0.9); 7.4439 (0.5); 7.4364 (0.8); 7.4286 (0.4); 7.2982 (1.1); 6.6135 (4.9); 5.3896 (0.6); 5.3655 (0.7); 2.7638 (16.0); 2.6026 (1.5); 2.5841 (0.9); 2.2979 (0.6); 2.2841 (0.5); 2.2717 (0.4); 2.2544 (0.4); 1.9491 (0.5); 1.9400 (0.5); 1.9231 (1.2); 1.9164 (1.3); 1.9063 (2.6); 1.8950 (1.4); 1.8859 (1.3); 1.8745 (0.5); 0.0304 (1.0)

I-393: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 8.9613 (1.4); 8.9398 (1.5); 7.8086 (6.5); 7.7186 (0.6); 7.6991 (1.7); 7.6796 (1.5); 7.6399 (1.9); 7.6203 (3.6); 7.5819 (1.4); 7.5601 (1.1); 7.1942 (2.0); 7.1746 (2.3); 6.9078 (2.7); 6.8821 (1.5); 6.8619 (1.3); 5.1449 (0.8); 5.1279 (0.8); 5.1101 (0.3); 3.3396 (81.2); 2.7169 (0.6); 2.7009 (1.6); 2.6861 (1.7); 2.6718 (1.0); 2.6026 (16.0); 2.5415 (16.6); 2.5243 (1.1); 2.5108 (20.5); 2.5067 (40.0); 2.5022 (51.8); 2.4978 (38.0); 2.2127 (11.6); 2.0081 (0.3); 1.9948 (0.4); 1.9832 (0.6); 1.9723 (0.7); 1.9641 (0.6); 1.9506 (0.5); 1.8885 (0.4); 1.8748 (0.6); 1.8636 (0.6); 1.8445 (0.6); 1.7578 (1.0); 1.7404 (1.5); 1.7301 (1.1); 1.7171 (1.0); −0.0002 (1.0)

I-394: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.1344 (2.7); 9.1155 (2.8); 8.1586 (15.4); 8.1546 (6.6); 7.9538 (0.4); 7.7510 (1.6); 7.7314 (4.8); 7.7118 (4.8); 7.6995 (6.7); 7.6868 (6.0); 7.6673 (2.6); 7.6243 (3.8); 7.6046 (2.6); 6.9821 (7.3); 6.9784 (9.0); 6.8776 (2.9); 6.8743 (2.9); 6.8576 (5.5); 6.8540 (5.7); 6.8150 (10.9); 6.7951 (5.8); 5.9559 (9.8); 5.9536 (14.0); 5.9427 (11.7); 5.9404 (12.5); 5.0864 (0.5); 5.0689 (2.2); 5.0506 (3.2); 5.0325 (2.3); 5.0148 (0.6); 3.3997 (44.8); 3.3884 (43.2); 3.3846 (50.6); 3.3737 (58.4); 2.8923 (2.5); 2.7338 (2.2); 2.5292 (0.6); 2.5158 (13.1); 2.5114 (27.5); 2.5068 (37.0); 2.5023 (26.7); 2.4979 (12.9); 1.4239 (16.0); 1.4065 (15.8); 1.2389 (0.4); −0.0002 (0.6)

I-395: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.2307 (0.4); 9.0789 (2.0); 9.0633 (4.2); 9.0476 (2.1); 8.8146 (0.9); 8.8099 (0.9); 8.7212 (6.9); 8.7159 (6.9); 8.1821 (0.4); 8.1767 (0.4); 8.1618 (0.6); 8.1559 (0.5); 8.0021 (3.8); 7.9962 (3.8); 7.9809 (4.5); 7.9751 (4.5); 7.9614 (0.6); 7.8296 (0.7); 7.8086 (0.9); 7.7547 (16.0); 7.7400 (7.6); 7.7189 (6.5); 7.6310 (0.5); 7.6008 (2.0); 7.5838 (3.8); 7.5688 (3.9); 7.5514 (3.9); 7.5327 (2.5); 7.5182 (1.8); 7.4613 (3.6); 7.4415 (4.9); 7.4213 (2.1); 7.4112 (3.4); 7.2762 (7.3); 7.1412 (3.6); 4.2723 (2.2); 4.2571 (2.3); 4.2369 (5.1); 4.2212 (4.8); 4.2010 (2.8); 4.1856 (2.4); 3.3172 (390.2); 3.2682 (0.5); 2.8989 (3.2); 2.7400 (3.0); 2.5956 (40.6); 2.5134 (29.3); 2.5092 (38.3); 2.5050 (28.5); 2.4537 (4.2); 1.2454 (0.7)

I-396: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.0785 (0.8); 9.0631 (1.7); 9.0476 (0.8); 7.7399 (0.8); 7.7202 (2.3); 7.7120 (6.6); 7.7009 (2.0); 7.6733 (2.2); 7.6538 (1.1); 7.6142 (2.8); 7.5617 (4.3); 7.5418 (4.5); 7.4877 (0.5); 7.4691 (1.7); 7.4514 (1.7); 7.4276 (3.0); 7.4086 (3.4); 7.3906 (1.1); 4.1399 (0.9); 4.1244 (1.0); 4.1039 (2.0); 4.0883 (2.0); 4.0677 (1.0); 4.0522 (1.0); 3.3300 (266.2); 2.6786 (1.0); 2.6743 (0.8); 2.6019 (16.0); 2.5489 (28.5); 2.5138 (112.2); 2.5095 (151.3); 2.5053 (124.2); 2.3362 (1.0); 2.3321 (0.8)

I-397: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.2886 (7.3); 7.7733 (1.3); 7.6839 (5.3); 7.6725 (2.6); 7.6681 (2.8); 7.6645 (2.9); 7.6372 (0.5); 7.4369 (2.9); 7.3906 (1.2); 7.3820 (1.4); 7.3703 (1.5); 7.3634 (1.3); 7.3525 (0.8); 7.2972 (0.5); 7.0464 (2.8); 7.0209 (3.2); 6.9679 (3.3); 6.5062 (1.8); 6.4808 (1.6); 5.3208 (1.0); 3.6283 (3.2); 3.6118 (3.1); 2.4569 (16.0); 2.1702 (15.6); 2.1023 (0.4); 1.3108 (1.2); 1.0302 (1.3); 1.0096 (4.7); 0.9961 (2.1); 0.9719 (0.6); 0.9483 (0.8); 0.9239 (2.4); 0.9108 (4.9); 0.8903 (1.3)

I-398: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.1090 (0.6); 8.0946 (0.9); 8.0802 (0.5); 7.5493 (0.6); 7.5292 (4.1); 7.5085 (6.5); 7.4902 (0.6); 7.4478 (2.2); 7.4142 (3.7); 7.3925 (3.1); 7.3854 (1.8); 7.3803 (1.0); 7.3671 (1.0); 7.2601 (7.3); 4.1811 (1.0); 4.1659 (1.0); 4.1443 (2.1); 4.1292 (2.0); 4.1074 (1.0); 4.0923 (1.0); 3.7895 (2.0); 3.7754 (3.4); 3.7613 (2.0); 3.3566 (16.0); 3.0163 (2.1); 3.0019 (3.3); 2.9880 (1.9); 1.5542 (6.9); −0.0002 (5.7)

I-399: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.2687 (15.7); 8.0164 (2.2); 7.9293 (1.9); 7.5523 (7.3); 7.4945 (1.2); 7.4783 (2.0); 7.4739 (3.0); 7.4579 (3.5); 7.4372 (1.9); 7.3794 (1.6); 7.3755 (1.4); 7.3585 (6.2); 7.3545 (6.6); 7.3440 (9.5); 7.3231 (2.3); 7.2597 (30.1); 7.1062 (1.5); 7.1006 (1.6); 7.0851 (2.6); 7.0815 (3.0); 7.0646 (1.4); 7.0592 (1.4);

TABLE 2-continued

7.0243 (2.7); 7.0193 (3.5); 6.9998 (6.4); 6.9782 (2.4); 6.9724 (3.5); 6.9668 (1.7); 6.0573 (1.4); 6.0493 (1.5); 6.0396 (1.5); 6.0317 (1.4); 5.9407 (1.4); 5.9328 (1.5); 5.9231 (1.5); 5.9153 (1.4); 4.2916 (0.7); 4.2835 (0.7); 4.2748 (0.8); 4.2668 (0.8); 4.2550 (0.9); 4.2469 (0.9); 4.2382 (0.9); 4.2300 (0.9); 4.2250 (0.9); 4.2165 (0.8); 4.2080 (0.8); 4.1998 (0.8); 4.1881 (0.9); 4.1800 (0.9); 4.1714 (0.9); 4.1634 (0.8); 3.8464 (0.8); 3.8339 (0.9); 3.8290 (0.9); 3.8160 (0.9); 3.8099 (0.8); 3.7927 (1.6); 3.7800 (1.6); 3.7627 (0.9); 3.7565 (0.8); 3.7437 (0.8); 3.7389 (0.8); 3.7261 (0.7); 2.9544 (16.0); 2.8820 (14.7); 1.5439 (11.9); 0.0078 (1.8); −0.0002 (44.3)

I-400: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.7360 (1.3); 7.7163 (1.3); 7.5785 (0.7); 7.5525 (2.5); 7.5321 (6.3); 7.4766 (0.7); 7.4503 (0.6); 7.3987 (3.4); 7.3658 (1.6); 7.3566 (2.1); 7.3490 (1.8); 7.3307 (3.9); 7.2984 (11.9); 7.0372 (3.6); 6.9268 (2.0); 6.9007 (1.8); 5.3362 (3.0); 4.2192 (1.5); 4.1995 (1.5); 4.1711 (3.0); 4.1517 (2.9); 4.1231 (1.6); 4.1036 (1.5); 3.9669 (0.4); 3.0294 (0.7); 3.0199 (1.4); 3.0066 (1.4); 2.9963 (1.4); 2.9846 (1.0); 2.9741 (0.6); 2.8371 (16.0); 2.5549 (0.4); 2.5489 (0.4); 2.5229 (0.5); 2.4829 (10.5); 2.2991 (14.2); 1.6298 (2.8); 1.2950 (3.5); 0.9282 (1.1); 0.9052 (3.5); 0.8876 (3.8); 0.8656 (1.5); 0.8384 (0.4); 0.8134 (0.3); 0.7477 (1.3); 0.7327 (3.3); 0.7240 (3.7); 0.6962 (0.9); 0.1086 (0.8); 0.0381 (10.5)

I-401: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 9.2324 (13.9); 9.2164 (14.4); 8.3007 (0.5); 8.2899 (14.5); 8.2738 (13.9); 8.0023 (1.7); 7.9851 (2.9); 7.9662 (1.7); 7.7091 (1.0); 7.6828 (6.4); 7.6751 (5.3); 7.6707 (5.7); 7.6641 (16.0); 7.6608 (15.8); 7.6498 (1.5); 7.6448 (1.4); 7.5956 (0.5); 7.5783 (8.7); 7.5497 (11.9); 7.5365 (7.5); 7.5141 (7.6); 7.5105 (7.6); 7.5078 (8.1); 7.4986 (1.6); 7.4918 (1.0); 7.4827 (3.1); 7.4718 (4.6); 7.4649 (4.2); 7.4524 (3.3); 7.4444 (2.0); 7.2988 (18.5); 7.2940 (6.3); 7.2870 (5.3); 7.2654 (4.4); 7.2587 (4.3); 5.3357 (1.7); 4.5042 (4.5); 4.4837 (4.3); 4.4559 (9.4); 4.4354 (9.0); 4.4075 (4.7); 4.3870 (4.5); 3.4040 (0.6); 1.6284 (10.0); 0.0459 (0.5); 0.0351 (12.0); 0.0242 (0.4)

I-402: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.1184 (2.9); 9.0982 (3.0); 8.1491 (16.0); 7.9532 (1.6); 7.7578 (1.3); 7.7383 (4.0); 7.7183 (8.7); 7.6939 (4.6); 7.6745 (2.1); 7.6309 (3.2); 7.6115 (2.1); 7.2561 (5.7); 7.1111 (2.8); 7.1076 (2.8); 7.0906 (3.0); 7.0870 (3.0); 6.6581 (6.2); 6.6377 (5.8); 5.0969 (0.5); 5.0795 (1.8); 5.0610 (2.6); 5.0427 (1.9); 5.0256 (0.5); 4.4756 (4.6); 4.4539 (8.5); 4.4317 (5.2); 3.3628 (58.9); 3.3562 (82.1); 3.0918 (0.5); 3.0704 (1.0); 3.0526 (1.7); 3.0315 (2.8); 3.0119 (2.3); 2.9920 (2.9); 2.9706 (1.6); 2.9534 (1.0); 2.9316 (0.5); 2.8914 (10.4); 2.7332 (9.1); 2.5134 (11.3); 2.5091 (23.4); 2.5047 (31.4); 2.5002 (23.1); 1.4282 (13.3); 1.4108 (13.2); 1.2404 (0.4); −0.0002 (0.6)

I-403: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 7.9982 (1.9); 7.5280 (2.6); 7.5069 (3.5); 7.4940 (1.7); 7.4764 (4.1); 7.3930 (0.8); 7.3739 (1.7); 7.3557 (1.2); 7.3130 (1.6); 7.2930 (2.1); 7.2730 (1.0); 7.2604 (12.1); 7.1521 (1.7); 7.1486 (1.7); 7.1310 (1.5); 7.1275 (1.6); 7.0098 (1.3); 6.8728 (2.6); 6.7359 (1.3); 6.4034 (0.7); 6.3887 (1.2); 6.3731 (0.7); 4.4422 (1.2); 4.4260 (1.2); 4.4068 (2.4); 4.3907 (2.4); 4.3713 (1.3); 4.3551 (1.2); 2.9494 (11.8); 2.8726 (11.5); 2.6072 (0.5); 2.5913 (16.0); 2.2703 (15.9); 2.1768 (0.3); 1.5740 (5.6); −0.0002 (1.3)

I-404: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.2138 (1.8); 9.1980 (3.6); 9.1822 (1.7); 8.0365 (13.2); 7.7710 (1.4); 7.7514 (4.1); 7.7317 (4.0); 7.7142 (4.9); 7.6946 (2.0); 7.6626 (5.5); 7.5912 (3.2); 7.5719 (2.5); 7.5221 (5.8); 7.3691 (3.9); 7.3480 (6.5); 7.2911 (3.8); 7.2697 (2.2); 4.1648 (1.6); 4.1491 (1.7); 4.1286 (3.6); 4.1127 (3.5); 4.0919 (1.8); 4.0763 (1.7); 3.3289 (360.4); 3.2913 (0.3); 2.6786 (1.6); 2.5487 (18.5); 2.5094 (249.0); 2.5056 (196.9); 2.4592 (16.0); 2.3362 (1.6); 0.0080 (0.5)

I-405: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.3143 (13.1); 8.0135 (1.3); 7.6595 (1.1); 7.6333 (3.0); 7.6072 (2.3); 7.5485 (2.8); 7.5228 (1.6); 7.4183 (3.4); 7.3937 (2.0); 7.3904 (2.2); 7.3863 (1.8); 7.3721 (4.0); 7.3637 (2.0); 7.3597 (1.7); 7.3558 (1.4); 7.3458 (4.1); 7.3015 (26.1); 7.0782 (3.8); 6.9942 (2.1); 6.9674 (1.8); 6.9320 (2.2); 6.7444 (4.4); 6.5569 (2.2); 5.3411 (5.3); 4.3061 (2.0); 4.2863 (1.9); 4.2581 (4.3); 4.2382 (4.2); 4.2100 (2.2); 4.1902 (2.1); 2.5194 (6.3); 2.5124 (11.5); 2.5049 (6.4); 2.3241 (16.0); 1.5937 (17.9); 1.2950 (0.9); 0.9224 (0.6); 0.1105 (4.6); 0.0513 (0.8); 0.0404 (23.3); 0.0295 (0.8)

I-406: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.0278 (0.5); 9.0136 (1.0); 8.9987 (0.5); 8.1178 (0.4); 8.0783 (5.1); 7.7550 (0.4); 7.7362 (1.3); 7.7166 (1.4); 7.7046 (1.8); 7.6857 (0.6); 7.6622 (1.9); 7.6387 (16.0); 7.5955 (1.1); 7.5758 (0.8); 5.9339 (0.3); 5.9212 (0.5); 5.9084 (0.3); 5.8162 (0.3); 5.8048 (0.5); 5.7907 (0.3); 5.7561 (1.0); 4.0382 (0.4); 4.0203 (0.4); 3.8914 (0.6); 3.8761 (0.5); 3.8687 (0.5); 3.8532 (0.5); 3.8363 (0.6); 3.8219 (0.6); 3.8090 (0.5); 3.3191 (22.3); 2.6751 (0.4); 2.6709 (0.6); 2.6661 (0.4); 2.5060 (75.2); 2.5016 (97.6); 2.4972 (70.3); 2.3328 (0.4); 2.3284 (0.6); 2.3237 (0.4); 1.9887 (1.6); 1.3321 (0.8); 1.3139 (0.8); 1.2957 (0.4); 1.2356 (0.8); 1.1927 (0.5); 1.1749 (0.9); 1.1571 (0.5); 0.8807 (1.0); 0.0079 (2.2); −0.0001 (50.8); −0.0082 (2.4)

I-407: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.2663 (16.0); 8.0170 (0.7); 7.8278 (1.9); 7.5540 (7.3); 7.3975 (1.8); 7.3934 (1.5); 7.3766 (6.2); 7.3725 (6.4); 7.3607 (9.5); 7.3399 (2.5); 7.2595 (30.6); 7.2318 (4.2); 7.2147 (5.7); 7.2001 (5.4); 7.1912 (2.1); 7.1761 (0.6); 7.1688 (0.5); 7.1584 (1.5); 7.1544 (1.6); 7.1443 (2.8); 7.1384 (2.6); 7.1310 (1.6); 7.1221 (1.2); 7.1139 (0.8); 6.0663 (1.4); 6.0583 (1.5); 6.0492 (1.6); 6.0413 (1.4); 5.9501 (1.4); 5.9422 (1.5); 5.9330 (1.6); 5.9251 (1.4); 4.2844 (0.8); 4.2763 (0.8); 4.2678 (0.8); 4.2598 (0.8); 4.2478 (0.9); 4.2397 (0.9); 4.2314 (0.9); 4.2230 (1.0); 4.2194 (1.0); 4.2111 (0.8); 4.2025 (0.8); 4.1947 (0.8); 4.1824 (0.9); 4.1744 (0.9); 4.1661 (0.9); 4.1577 (0.8); 3.8944 (0.8); 3.8808 (1.0); 3.8776 (1.0); 3.8640 (0.9); 3.8578 (0.8); 3.8399 (1.6); 3.8266 (1.6); 3.8090 (1.0); 3.8026 (0.8); 3.7892 (0.9); 3.7857 (0.8); 3.7722 (0.7); 2.9546 (5.5); 2.8821 (5.0); 1.5382 (9.6); −0.0002 (45.1); −0.0082 (1.9)

I-408: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.4683 (0.6); 7.6599 (0.9); 7.6406 (1.6); 7.6213 (0.9); 7.5892 (0.4); 7.5601 (4.6); 7.5552 (3.1); 7.5427 (7.5); 7.5289 (0.5); 7.4044 (3.6); 7.3785 (0.5); 7.3650 (1.7); 7.3561 (4.8); 7.3445 (2.0); 7.3293 (4.8); 7.2985 (2.6); 7.0797 (4.0); 6.9859 (2.2); 6.9593 (1.9); 5.0057 (0.4); 4.9968 (0.7); 4.9751 (6.0); 4.9702 (5.4); 4.9605 (6.7); 4.9436 (1.5); 4.9350 (0.8); 4.6381 (0.5); 4.6169 (2.1); 4.6066 (5.2); 4.5992 (4.3); 4.5890 (1.8); 4.5678 (0.4); 4.2324 (1.6); 4.2123 (1.6); 4.1838 (3.6); 4.1636 (3.4); 4.1353 (1.9); 4.1150 (1.8); 2.5059 (11.6); 2.4992 (6.7); 2.3274 (16.0); 2.3005 (0.4); 2.0746 (0.6); 1.7186 (3.4); 1.3696 (0.3); 1.3458 (0.8); 1.3060 (4.9); 1.2679 (0.4); 0.9427 (1.7); 0.9208 (5.5); 0.8976 (2.0); 0.0395 (2.5)

TABLE 2-continued

I-409: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 7.9978 (1.0); 7.5056 (0.7); 7.4885 (1.3); 7.4725 (0.8); 7.4028 (0.6); 7.3836 (1.4); 7.3645 (1.0); 7.3103 (3.9); 7.3049 (3.3); 7.2934 (1.9); 7.2731 (0.8); 7.2604 (11.5); 7.2084 (2.4); 7.1878 (2.9); 7.0242 (1.8); 7.0190 (1.8); 7.0036 (1.5); 6.9977 (2.2); 6.8590 (2.5); 6.7220 (1.2); 6.1258 (0.5); 6.1118 (0.9); 6.0974 (0.6); 3.8376 (1.2); 3.8214 (3.2); 3.8052 (3.3); 3.7890 (1.3); 3.0946 (2.3); 3.0778 (4.3); 3.0611 (2.1); 2.9495 (6.9); 2.8732 (6.4); 2.5973 (0.6); 2.5846 (16.0); 2.3124 (15.9); 2.1742 (0.4); 1.5654 (11.3); −0.0002 (1.2)
I-410: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.3991 (1.9); 7.3725 (2.1); 7.2986 (9.9); 7.1118 (0.3); 7.1016 (0.3); 7.0872 (4.0); 7.0749 (3.7); 7.0710 (3.1); 7.0625 (2.7); 7.0438 (0.4); 6.9803 (1.1); 6.9536 (1.0); 6.8204 (0.7); 6.8070 (0.6); 6.7998 (1.0); 6.7884 (1.2); 6.7754 (0.6); 6.7666 (0.5); 6.4773 (0.4); 6.4563 (0.8); 6.4362 (0.4); 4.3001 (1.0); 4.2791 (1.0); 4.2519 (2.2); 4.2309 (2.1); 4.2037 (1.1); 4.1827 (1.1); 2.6207 (16.0); 2.5384 (6.2); 2.5314 (3.5); 2.3259 (8.4); 2.2778 (15.7); 2.1236 (0.6); 2.1130 (0.7); 2.0956 (1.0); 2.0782 (0.6); 2.0673 (0.6); 1.6130 (7.6); 1.0539 (0.8); 1.0388 (1.9); 1.0319 (2.1); 1.0258 (1.1); 1.0172 (1.2); 1.0101 (2.1); 1.0034 (1.9); 0.9890 (1.0); 0.8041 (1.0); 0.7893 (2.2); 0.7867 (2.0); 0.7829 (2.2); 0.7722 (2.0); 0.7666 (2.4); 0.7502 (0.8); 0.1083 (1.0); 0.0489 (0.4); 0.0382 (11.6); 0.0272 (0.4)
I-411: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.0694 (0.7); 9.0538 (1.4); 9.0378 (0.7); 7.7331 (0.6); 7.7135 (1.8); 7.6935 (1.8); 7.6872 (6.6); 7.6654 (1.9); 7.6458 (0.9); 7.5980 (2.3); 7.5430 (1.3); 7.5231 (1.0); 7.3095 (2.2); 7.2895 (2.4); 7.0707 (2.5); 6.9254 (1.3); 6.9053 (1.2); 4.1176 (0.7); 4.1014 (0.7); 4.0802 (1.6); 4.0645 (1.6); 4.0429 (0.8); 4.0271 (0.8); 3.3195 (56.7); 2.6704 (0.4); 2.5920 (16.0); 2.5406 (23.6); 2.5101 (22.8); 2.5057 (44.8); 2.5011 (59.7); 2.4966 (45.0); 2.4921 (22.6); 2.4132 (6.6); 2.3280 (0.4); 2.2880 (0.3); 2.2209 (9.4)
I-412: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.2661 (6.7); 7.7886 (0.9); 7.7734 (0.6); 7.6530 (0.4); 7.6512 (0.4); 7.6367 (3.7); 7.6335 (3.7); 7.6135 (1.8); 7.5874 (0.4); 7.3504 (2.3); 7.3336 (1.0); 7.3259 (1.1); 7.3174 (0.6); 7.3112 (1.0); 7.3039 (1.2); 7.2956 (0.5); 7.1440 (2.4); 7.1143 (1.1); 7.0898 (1.6); 7.0161 (1.0); 6.9912 (2.4); 6.9669 (1.6); 6.9495 (1.9); 6.9244 (0.7); 3.7198 (4.3); 3.7023 (4.2); 2.1647 (12.4); 2.0032 (3.5); 1.3114 (0.4); 0.9667 (16.0)
I-413: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.1459 (1.2); 9.1304 (2.5); 9.1148 (1.2); 8.0032 (10.9); 7.9597 (0.9); 7.5798 (4.3); 7.5720 (2.8); 7.5631 (3.0); 7.5576 (6.7); 7.5353 (2.7); 7.3256 (4.4); 7.3051 (5.3); 7.2970 (1.9); 7.2879 (1.2); 7.0870 (4.4); 6.9582 (2.3); 6.9380 (2.1); 4.1325 (1.2); 4.1170 (1.2); 4.0956 (2.7); 4.0798 (2.6); 4.0582 (1.4); 4.0427 (1.3); 3.3482 (24.3); 2.8978 (5.9); 2.7389 (5.4); 2.5139 (29.9); 2.5095 (39.1); 2.5053 (29.7); 2.4221 (11.3); 2.2645 (0.8); 2.2443 (16.0); 2.1917 (0.5)
I-414: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.2487 (3.5); 9.2293 (3.6); 8.2034 (16.0); 8.2006 (8.9); 7.9554 (0.5); 7.7562 (1.4); 7.7369 (4.2); 7.7173 (3.8); 7.6935 (11.4); 7.6735 (2.6); 7.6339 (3.8); 7.6142 (2.5); 7.4873 (1.5); 7.4829 (1.7); 7.4678 (1.6); 7.4631 (1.9); 7.4585 (1.9); 7.4526 (1.8); 7.4378 (1.6); 7.4333 (1.7); 7.3836 (1.4); 7.3623 (3.2); 7.3573 (1.8); 7.3411 (2.3); 7.3358 (3.3); 7.3148 (2.1); 7.2590 (2.2); 5.1640 (0.5); 5.1458 (2.0); 5.1277 (3.0); 5.1096 (2.1); 5.0925 (0.5); 3.3627 (44.2); 3.3558 (59.6); 3.3500 (66.2); 2.8933 (3.0); 2.7346 (2.8); 2.5108 (28.7); 2.5066 (38.1); 2.5024 (28.2); 1.4512 (14.8); 1.4337 (14.7); 1.2397 (0.6); −0.0002 (0.5)
I-415: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.0030 (2.2); 7.5056 (0.8); 7.4882 (1.4); 7.4710 (0.9); 7.4349 (2.8); 7.4138 (4.2); 7.3931 (3.9); 7.3106 (1.3); 7.2908 (1.9); 7.2698 (0.9); 7.2609 (12.4); 7.2187 (1.7); 7.2139 (1.7); 7.1978 (1.4); 7.1930 (1.4); 7.0114 (1.2); 6.8744 (2.5); 6.7374 (1.2); 6.4548 (0.6); 6.4402 (1.0); 6.4254 (0.6); 6.0490 (0.6); 6.0412 (0.6); 6.0321 (0.6); 6.0243 (0.6); 5.9328 (0.6); 5.9249 (0.6); 5.9156 (0.6); 5.9080 (0.6); 4.1835 (0.4); 4.1755 (0.4); 4.1674 (0.4); 4.1589 (0.4); 4.1551 (0.4); 4.1385 (0.3); 4.1181 (0.4); 4.1101 (0.4); 4.1017 (0.4); 4.0937 (0.4); 3.9403 (0.4); 3.9243 (0.6); 3.9085 (0.4); 3.9040 (0.4); 3.8858 (0.7); 3.8704 (0.7); 3.8531 (0.4); 3.8485 (0.4); 3.8324 (0.4); 2.9507 (15.5); 2.8752 (14.5); 2.6020 (16.0); 2.5866 (0.5); 2.3086 (16.0); 1.5769 (4.6); −0.0002 (1.3)
I-416: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ =9.0315 (0.7); 9.0155 (1.5); 9.0005 (0.8); 8.6063 (3.1); 8.6016 (3.3); 8.4804 (3.3); 8.4756 (3.1); 7.7484 (6.6); 7.7112 (0.6); 7.6916 (1.8); 7.6721 (1.7); 7.6507 (2.0); 7.6310 (0.9); 7.5852 (2.4); 7.5125 (1.3); 7.4929 (1.0); 4.3601 (0.7); 4.3446 (0.7); 4.3249 (1.6); 4.3091 (1.5); 4.2894 (0.8); 4.2737 (0.7); 3.3189 (553.9); 2.6744 (1.7); 2.6699 (2.3); 2.6656 (1.7); 2.5972 (16.0); 2.5233 (5.6); 2.5098 (130.9); 2.5053 (277.4); 2.5008 (389.2); 2.4962 (292.2); 2.4918 (139.8); 2.3322 (1.6); 2.3276 (2.3); 2.3232 (1.6); 1.0430 (0.5); 1.0280 (0.5); 0.1457 (0.6); 0.0079 (5.1); −0.0003 (148.6); −0.0085 (4.8); −0.1497 (0.7)
I-417: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.3527 (0.4); 8.3340 (12.9); 8.3071 (1.7); 8.3036 (1.9); 8.3001 (2.0); 8.2968 (1.8); 8.2800 (2.0); 8.2764 (2.1); 8.2729 (2.3); 8.2696 (2.0); 8.1603 (2.9); 8.1529 (5.1); 8.1457 (2.7); 7.8816 (1.4); 7.8640 (0.8); 7.8247 (0.5); 7.7649 (2.3); 7.7376 (5.4); 7.7104 (3.4); 7.6526 (2.5); 7.6492 (2.8); 7.6449 (2.6); 7.6416 (2.4); 7.6254 (1.5); 7.6218 (1.7); 7.6176 (1.6); 7.6142 (1.4); 7.3810 (3.5); 7.3544 (4.0); 7.3013 (34.4); 7.0904 (3.9); 7.0234 (2.1); 6.9959 (1.8); 5.3413 (3.4); 4.3172 (2.0); 4.2974 (1.9); 4.2687 (4.2); 4.2489 (4.1); 4.2202 (2.2); 4.2005 (2.1); 2.5235 (6.4); 2.5167 (11.6); 2.5093 (6.5); 2.3900 (0.8); 2.3691 (0.4); 2.3603 (0.3); 2.3317 (16.0); 2.1932 (0.4); 1.5910 (12.3); 1.2934 (0.6); 0.1098 (0.5); 0.0507 (1.2); 0.0399 (35.0); 0.0289 (1.3)
I-418: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.2420 (1.7); 9.2263 (3.5); 9.2106 (1.7); 8.0209 (16.0); 7.9935 (6.3); 7.7996 (3.9); 7.7791 (4.6); 7.7524 (1.3); 7.7329 (4.1); 7.7132 (5.2); 7.7052 (5.6); 7.6855 (1.7); 7.5973 (5.6); 7.5487 (3.4); 7.5294 (2.6); 7.4892 (3.3); 7.4685 (2.9); 4.3576 (1.6); 4.3419 (1.7); 4.3236 (3.6); 4.3078 (3.5); 4.2894 (1.8); 4.2735 (1.7); 3.3404 (142.2); 3.3340 (145.2); 2.7132 (0.3); 2.6768 (0.5); 2.6725 (0.7); 2.5428 (87.9); 2.5079 (99.4); 2.5035 (130.3); 2.4992 (94.5); 2.3689 (0.4); 2.3303 (0.7); 2.1683 (1.0); −0.0001 (3.5)
I-419: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 7.5392 (3.7); 7.5293 (5.4); 7.4182 (2.8); 7.3671 (1.0); 7.3582 (1.5); 7.3552 (1.4); 7.3493 (1.1); 7.3442 (0.8); 7.2570 (3.6); 7.0573 (2.4); 7.0420 (2.9); 6.9634 (3.2); 6.8713 (1.8); 6.8562 (1.6); 6.0303 (0.7); 6.0190 (1.3); 6.0077 (0.8); 5.2939 (0.4); 3.7687 (1.3); 3.7554 (3.6); 3.7426 (3.8); 3.7293 (1.5); 2.9612 (2.4); 2.9474 (4.8); 2.9337 (2.4); 2.2980 (16.0); 2.2803 (0.9); 2.2532 (15.1); 2.2118 (0.7); 1.5521 (3.2); 1.2566 (0.5); −0.0002 (3.6)

TABLE 2-continued

I-420: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.1209 (3.3); 9.0996 (3.4); 8.2014 (16.0); 7.7495 (1.1); 7.7297 (3.5); 7.7091 (3.5); 7.6827 (9.6); 7.6668 (2.2); 7.6292 (3.3); 7.6097 (2.2); 7.3453 (6.0); 7.2928 (1.5); 7.2718 (9.6); 7.2670 (7.3); 7.2626 (5.7); 7.2457 (0.9); 7.2414 (1.0); 5.7555 (11.2); 5.1539 (0.8); 5.1390 (1.7); 5.1211 (1.8); 5.1043 (0.8); 3.3197 (40.7); 2.8010 (0.4); 2.7745 (1.3); 2.7580 (3.4); 2.7437 (3.6); 2.7299 (1.5); 2.7007 (0.5); 2.6749 (0.9); 2.6705 (1.1); 2.6664 (0.8); 2.5058 (139.3); 2.5015 (180.1); 2.4971 (133.7); 2.3325 (0.8); 2.3281 (1.0); 2.3239 (0.8); 2.0259 (0.8); 2.0122 (0.9); 1.9879 (1.6); 1.9685 (1.0); 1.8953 (0.4); 1.8539 (1.2); 1.8350 (1.3); 1.8118 (0.9); 1.7902 (1.9); 1.7670 (3.0); 1.7500 (2.1); 1.3555 (1.4); 1.2340 (0.5); 0.0078 (1.3); −0.0002 (32.6); −0.0083 (1.2)
I-421: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.2655 (10.6); 8.0157 (2.3); 7.8664 (1.5); 7.5606 (5.5); 7.4665 (2.6); 7.4595 (3.0); 7.4527 (2.8); 7.4457 (2.7); 7.4098 (1.8); 7.4058 (1.8); 7.3889 (3.8); 7.3849 (4.0); 7.3527 (6.1); 7.3319 (2.8); 7.2722 (2.2); 7.2598 (24.6); 7.2505 (4.3); 7.2305 (3.2); 7.1765 (1.7); 7.1677 (2.6); 7.1600 (1.8); 7.1546 (1.3); 7.1453 (1.6); 7.1377 (1.0); 6.0562 (1.0); 6.0479 (1.1); 6.0381 (1.1); 6.0301 (1.1); 5.9392 (1.0); 5.9314 (1.1); 5.9215 (1.1); 5.9135 (1.1); 4.2937 (0.5); 4.2863 (0.6); 4.2772 (0.6); 4.2691 (0.6); 4.2572 (0.6); 4.2493 (0.7); 4.2405 (0.6); 4.2325 (0.7); 4.2264 (0.6); 4.2181 (0.6); 4.2093 (0.6); 4.2013 (0.5); 4.1897 (0.7); 4.1814 (0.6); 4.1728 (0.7); 4.1649 (0.6); 3.8361 (0.6); 3.8231 (0.7); 3.8184 (0.8); 3.8054 (0.8); 3.7998 (0.7); 3.7823 (1.1); 3.7696 (1.1); 3.7530 (0.7); 3.7472 (0.6); 3.7344 (0.6); 3.7294 (0.6); 3.7164 (0.5); 2.9544 (16.0); 2.8816 (15.4); 1.5436 (9.5); −0.0002 (36.0)
I-422: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5620 (1.2); 7.5539 (1.0); 7.5494 (1.1); 7.5431 (3.3); 7.5397 (3.2); 7.5332 (2.1); 7.5041 (2.9); 7.4468 (1.4); 7.4148 (2.8); 7.3869 (2.0); 7.3790 (1.1); 7.3720 (0.9); 7.3594 (0.6); 7.3516 (0.4); 7.2984 (3.3); 7.2245 (0.4); 7.2039 (0.7); 7.1833 (0.4); 4.5292 (1.9); 4.5210 (1.4); 4.5151 (2.0); 4.5087 (1.4); 4.5006 (2.0); 4.2164 (0.7); 4.1953 (0.7); 4.1682 (1.6); 4.1471 (1.5); 4.1200 (0.8); 4.0989 (0.8); 3.7525 (2.1); 3.7446 (1.4); 3.7381 (2.0); 3.7321 (1.4); 3.7239 (1.9); 3.4432 (16.0); 1.6451 (0.3); 1.2924 (0.5); 0.1086 (0.7); 0.0367 (2.8)
I-423: ^{1}H-NMR(499.9 MHz, d_6-DMSO):
δ = 9.1095 (0.8); 9.0977 (1.8); 9.0857 (0.8); 7.7116 (0.8); 7.6957 (2.0); 7.6798 (1.5); 7.6370 (2.0); 7.6322 (2.5); 7.6300 (2.6); 7.6282 (2.6); 7.6262 (2.6); 7.6219 (1.3); 7.5516 (2.8); 7.5346 (4.7); 7.5303 (2.7); 7.4993 (1.4); 7.4832 (1.2); 7.3776 (1.9); 7.3734 (1.8); 7.3608 (1.6); 7.3566 (1.6); 6.0269 (0.5); 6.0168 (1.1); 6.0066 (0.5); 5.9345 (0.5); 5.9245 (1.1); 5.9142 (0.6); 3.9166 (1.0); 3.9055 (1.6); 3.8943 (1.0); 3.8701 (0.9); 3.8590 (1.6); 3.8478 (1.0); 3.3267 (10.1); 2.5424 (16.3); 2.5132 (0.7); 2.5096 (1.4); 2.5060 (1.9); 2.5024 (1.4); 2.4989 (0.6); 2.1726 (16.0)
I-424: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5390 (0.5); 7.5169 (1.0); 7.4943 (0.6); 7.4508 (0.5); 7.4264 (1.1); 7.4238 (1.1); 7.3987 (2.5); 7.3719 (2.1); 7.3383 (1.1); 7.3107 (1.5); 7.2985 (12.2); 7.2847 (0.6); 7.0848 (2.7); 6.9892 (1.1); 6.9629 (0.9); 6.9028 (2.3); 6.7202 (1.1); 6.3936 (0.4); 6.3729 (0.8); 6.3527 (0.4); 4.3036 (1.0); 4.2827 (1.0); 4.2552 (2.2); 4.2342 (2.1); 4.2068 (1.1); 4.1858 (1.1); 2.6328 (16.0); 2.5364 (6.1); 2.5294 (3.5); 2.3198 (8.3); 2.3002 (15.7); 2.0814 (0.4); 2.0423 (0.4); 1.6497 (1.0); 0.1080 (0.7); 0.0490 (0.4); 0.0381 (14.3); 0.0272 (0.5)
I-425: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.1804 (2.2); 9.1649 (4.6); 9.1493 (2.2); 8.0697 (16.0); 7.7972 (7.4); 7.7765 (11.3); 7.7601 (1.8); 7.7406 (5.3); 7.7207 (6.9); 7.7060 (13.4); 7.6845 (7.6); 7.6253 (7.3); 7.5745 (4.4); 7.5555 (3.3); 4.2192 (2.2); 4.2034 (2.3); 4.1849 (4.9); 4.1690 (4.8); 4.1504 (2.5); 4.1345 (2.3); 3.3293 (226.9); 2.7189 (0.3); 2.6790 (1.2); 2.6751 (0.9); 2.5495 (72.7); 2.5137 (133.7); 2.5099 (176.4); 2.5058 (141.2); 2.3756 (0.4); 2.3367 (1.1)
I-426: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 8.9790 (1.4); 8.9652 (2.9); 8.9517 (1.5); 8.1216 (16.0); 8.1152 (1.4); 7.7209 (4.9); 7.7163 (5.3); 7.6931 (1.0); 7.6733 (3.1); 7.6530 (5.6); 7.6424 (11.1); 7.6197 (3.1); 7.6152 (2.6); 7.5723 (3.3); 7.5534 (2.2); 7.3606 (4.1); 7.3388 (3.6); 4.3373 (3.5); 4.3244 (7.0); 4.3113 (3.8); 4.2771 (0.4); 3.7774 (2.0); 3.7642 (5.1); 3.7508 (5.2); 3.7375 (2.1); 3.3401 (77.2); 3.3349 (82.5); 2.6738 (0.3); 2.5440 (38.1); 2.5269 (1.2); 2.5133 (22.9); 2.5091 (46.1); 2.5047 (61.0); 2.5002 (44.0); 2.4960 (21.4); 2.3313 (0.3); −0.0002 (1.7)
I-427: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.1459 (0.9); 9.1304 (1.9); 9.1147 (0.9); 7.9724 (9.3); 7.4725 (2.7); 7.4513 (3.0); 7.3555 (3.8); 7.3496 (4.0); 7.3226 (2.7); 7.3026 (3.1); 7.1609 (2.2); 7.1549 (2.1); 7.1401 (2.0); 7.1341 (1.9); 7.0875 (3.3); 6.9588 (1.8); 6.9385 (1.6); 4.1252 (0.9); 4.1095 (0.9); 4.0880 (2.1); 4.0722 (2.0); 4.0509 (1.0); 4.0350 (1.0); 3.3434 (26.7); 2.5138 (28.2); 2.5093 (36.9); 2.5049 (27.7); 2.4208 (8.6); 2.3703 (16.0); 2.2632 (0.6); 2.2447 (12.1); 2.1939 (0.3)
I-428: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.6840 (1.5); 7.6808 (1.5); 7.6783 (1.5); 7.6023 (0.3); 7.5762 (1.0); 7.5507 (2.7); 7.5252 (0.4); 7.5045 (1.4); 7.4762 (3.4); 7.4175 (0.7); 7.4107 (1.1); 7.4032 (0.7); 7.3828 (1.5); 7.3769 (1.3); 7.3547 (0.8); 7.3486 (0.8); 7.2986 (19.9); 6.3890 (0.4); 6.3678 (0.7); 6.3476 (0.4); 5.3379 (0.5); 4.4804 (0.8); 4.4589 (0.7); 4.4322 (1.6); 4.4107 (1.6); 4.3840 (0.8); 4.3624 (0.8); 4.1929 (1.1); 4.1691 (3.4); 4.1453 (3.5); 4.1215 (1.2); 2.6651 (0.4); 2.6458 (11.3); 2.3097 (11.2); 2.0819 (16.0); 1.5994 (4.2); 1.3200 (4.4); 1.2962 (8.8); 1.2724 (4.2); 0.0476 (0.9); 0.0368 (20.5); 0.0259 (0.8)
I-429: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.2724 (13.3); 8.0154 (2.2); 7.7861 (1.8); 7.5647 (6.1); 7.4187 (2.3); 7.4145 (2.1); 7.3979 (4.3); 7.3936 (4.2); 7.3511 (6.8); 7.3303 (3.7); 7.2908 (1.9); 7.2862 (3.0); 7.2815 (2.2); 7.2710 (2.2); 7.2597 (32.6); 7.2151 (5.2); 7.2127 (5.2); 6.9732 (1.8); 6.9678 (3.3); 6.9624 (1.9); 6.9515 (2.0); 6.9461 (3.4); 6.9407 (1.9); 6.0522 (1.1); 6.0442 (1.3); 6.0343 (1.3); 6.0262 (1.2); 5.9354 (1.2); 5.9276 (1.3); 5.9174 (1.3); 5.9095 (1.3); 4.2895 (0.6); 4.2811 (0.7); 4.2725 (0.7); 4.2643 (0.7); 4.2526 (0.8); 4.2445 (0.8); 4.2355 (0.8); 4.2276 (0.8); 4.2213 (0.8); 4.2134 (0.7); 4.2044 (0.7); 4.1964 (0.7); 4.1848 (0.8); 4.1764 (0.8); 4.1678 (0.9); 4.1598 (0.8); 3.8330 (0.8); 3.8199 (0.8); 3.8149 (0.9); 3.8022 (0.8); 3.7964 (0.8); 3.7809 (1.2); 3.7671 (1.3); 3.7502 (0.9); 3.7444 (0.8); 3.7314 (0.8); 3.7261 (0.8); 3.7135 (0.7); 2.9546 (16.0); 2.8818 (14.9); 1.5415 (13.1); −0.0002 (46.6)
I-430: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.7477 (0.8); 8.7333 (0.8); 7.9314 (0.5); 7.9256 (0.5); 7.9055 (1.1); 7.8998 (1.1); 7.8796 (0.7); 7.8739 (0.6); 7.6079 (2.0); 7.5864 (3.0); 7.5820 (2.5); 7.5645 (0.4); 7.5296 (1.2); 7.4963 (0.6); 7.4878 (1.0); 7.4767 (1.0); 7.4731 (1.0); 7.4604 (1.0); 7.4568 (1.0); 7.4512 (0.8); 7.4475 (0.6); 7.4348 (0.6);

TABLE 2-continued

7.4312 (0.6); 7.2987 (17.2); 7.2625 (1.1); 7.2358 (1.3); 7.0321 (1.3); 6.9542 (0.7); 6.9279 (0.6); 6.6989 (0.6); 4.0318 (0.6); 4.0112 (0.6); 3.9821 (1.3); 3.9615 (1.2); 3.9324 (0.7); 3.9117 (0.6); 2.4159 (3.8); 2.4086 (2.1); 2.2964 (5.0); 1.6141 (16.0); 0.0485 (0.8); 0.0378 (17.4); 0.0268 (0.7)

I-431: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 8.8387 (5.6); 8.5089 (1.7); 7.9482 (0.7); 7.9366 (1.3); 7.9249 (0.7); 7.6626 (0.5); 7.6469 (1.9); 7.6319 (7.2); 7.5169 (2.6); 7.4682 (2.1); 7.4512 (4.3); 7.4327 (1.3); 7.4048 (2.0); 7.4024 (2.0); 7.3880 (1.2); 7.3853 (1.2); 7.2616 (5.2); 5.2993 (0.9); 4.4519 (1.0); 4.4397 (1.0); 4.4230 (2.2); 4.4108 (2.1); 4.3940 (1.1); 4.3818 (1.0); 2.4193 (16.0); 2.1373 (0.4); 1.6077 (4.1); 1.2549 (0.7); 1.2494 (0.3); 0.0715 (0.4); −0.0002 (3.6)

I-432: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 9.3908 (5.6); 8.0805 (4.6); 8.0716 (4.6); 7.8193 (5.2); 7.8143 (5.1); 7.5588 (5.7); 7.5418 (6.5); 7.5149 (0.5); 7.4688 (4.0); 7.4464 (0.6); 7.4338 (1.7); 7.4254 (1.6); 7.4170 (2.0); 7.4108 (1.6); 7.4038 (1.2); 7.3956 (0.9); 7.3572 (3.4); 7.3306 (3.8); 7.2985 (5.4); 7.0604 (5.1); 7.0365 (2.1); 7.0162 (1.2); 6.9531 (2.3); 6.9268 (2.0); 6.5709 (3.1); 6.5648 (3.9); 6.5565 (2.9); 4.2562 (1.6); 4.2355 (1.6); 4.2071 (3.2); 4.1866 (3.0); 4.1581 (1.6); 4.1488 (0.9); 4.1375 (1.5); 4.1250 (0.5); 2.4967 (11.9); 2.2978 (16.0); 2.0663 (1.7); 1.6835 (1.5); 1.3570 (0.3); 1.3105 (0.9); 1.2942 (2.0); 1.2870 (1.6); 1.2630 (0.7); 0.9550 (0.4); 0.9317 (0.4); 0.9176 (0.4); 0.8938 (0.3); 0.0374 (3.3)

I-433: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 8.9089 (2.0); 8.1382 (5.7); 7.9526 (0.5); 7.7732 (0.4); 7.7535 (1.3); 7.7338 (1.3); 7.7214 (1.8); 7.7016 (1.4); 7.6821 (0.8); 7.6561 (1.0); 7.6366 (0.7); 7.3447 (2.7); 7.3242 (3.2); 7.0649 (2.7); 7.0450 (2.3); 3.3752 (29.6); 3.3657 (55.1); 2.8915 (3.6); 2.7328 (3.2); 2.5141 (5.8); 2.5097 (12.2); 2.5051 (16.5); 2.5006 (11.9); 2.4961 (5.7); 2.2439 (8.9); 1.6295 (16.0)

I-434: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.5596 (1.4); 8.4037 (0.4); 8.3806 (0.4); 8.3193 (0.4); 8.0542 (0.7); 7.6783 (0.4); 7.6443 (0.5); 7.6346 (0.5); 7.6198 (0.5); 7.5542 (1.5); 7.5510 (1.5); 7.4734 (6.7); 7.4582 (6.8); 7.4370 (5.5); 7.3807 (3.0); 7.3179 (3.2); 7.2984 (27.8); 7.2316 (0.3); 7.1820 (0.3); 7.1614 (0.4); 7.0897 (0.6); 7.0295 (5.1); 6.9442 (2.6); 6.9178 (2.2); 5.3368 (0.6); 5.2673 (1.2); 4.4639 (0.5); 4.4403 (0.5); 4.3462 (2.2); 4.3259 (2.2); 4.3041 (2.2); 4.2062 (1.0); 4.1850 (0.8); 4.1679 (1.0); 4.1447 (1.5); 4.1352 (1.4); 4.0947 (2.0); 4.0445 (1.1); 2.9883 (1.1); 2.9040 (0.9); 2.5119 (1.4); 2.4444 (11.1); 2.3775 (0.4); 2.3351 (2.0); 2.2927 (16.0); 2.0811 (1.3); 1.3197 (0.4); 1.2958 (1.0); 1.2720 (0.4); 0.1079 (1.4); 0.0486 (1.1); 0.0379 (26.9); 0.0269 (1.2)

I-435: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.1358 (0.8); 9.1199 (1.7); 9.1040 (0.8); 7.7338 (0.7); 7.7143 (2.0); 7.6944 (2.0); 7.6871 (6.6); 7.6690 (3.6); 7.6503 (2.4); 7.6289 (2.1); 7.5775 (2.6); 7.5344 (1.5); 7.5140 (1.2); 7.4327 (1.5); 7.4128 (1.2); 4.2068 (0.8); 4.1912 (0.8); 4.1708 (1.7); 4.1548 (1.6); 4.1344 (0.8); 4.1186 (0.8); 3.3793 (0.4); 3.3329 (348.7); 3.2931 (0.5); 3.2788 (0.3); 2.6833 (0.7); 2.6790 (1.0); 2.6745 (0.7); 2.5933 (16.0); 2.5623 (7.6); 2.5491 (33.6); 2.5142 (105.2); 2.5098 (140.9); 2.5054 (110.0); 2.3409 (0.6); 2.3367 (0.9); 2.3323 (0.6)

I-436: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.2784 (16.0); 7.9526 (2.8); 7.6442 (1.5); 7.6249 (12.5); 7.6020 (5.5); 7.5756 (1.7); 7.3678 (6.7); 7.3116 (3.9); 7.3061 (3.8); 7.2959 (2.9); 7.2892 (3.6); 7.2676 (0.4); 7.1596 (4.9); 7.1352 (5.3); 6.9514 (2.5); 6.9260 (5.2); 6.9006 (3.1); 6.6417 (3.5); 6.6171 (6.1); 6.5925 (2.8); 6.3877 (6.2); 6.3618 (5.6); 4.1862 (0.6); 4.1624 (1.8); 4.1386 (1.8); 4.1148 (0.6); 3.9043 (0.8); 3.8871 (1.4); 3.8681 (1.3); 3.8587 (2.6); 3.8417 (4.6); 3.8222 (5.4); 3.8142 (4.0); 3.8059 (5.4); 3.7840 (7.2); 3.7538 (5.3); 3.7152 (1.6); 3.7019 (2.9); 3.6875 (2.9); 3.6725 (2.2); 3.6577 (1.5); 3.6432 (0.6); 3.4644 (4.0); 3.4519 (3.7); 3.4340 (3.6); 3.4217 (3.2); 3.3366 (2.9); 2.0759 (7.6); 1.3186 (2.4); 1.2949 (4.3); 1.2711 (2.1); 0.0444 (1.0)

I-437: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.2234 (1.2); 9.2082 (2.5); 9.1926 (1.2); 8.0263 (12.6); 7.9599 (0.7); 7.8873 (5.5); 7.8657 (6.1); 7.4705 (5.7); 7.4492 (5.3); 7.3193 (3.7); 7.2993 (4.1); 7.0784 (4.3); 6.9374 (2.3); 6.9174 (2.1); 4.1263 (1.2); 4.1105 (1.2); 4.0889 (2.8); 4.0732 (2.6); 4.0517 (1.4); 4.0359 (1.3); 3.3487 (31.8); 2.8979 (4.7); 2.7390 (4.1); 2.6785 (0.4); 2.6740 (0.3); 2.5562 (0.4); 2.5421 (0.4); 2.5315 (1.3); 2.5181 (27.0); 2.5138 (53.1); 2.5093 (70.0); 2.5048 (52.2); 2.5006 (26.4); 2.4174 (11.4); 2.3405 (0.3); 2.3360 (0.5); 2.2589 (0.6); 2.2228 (16.0); 2.1777 (0.5)

I-438: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.2913 (16.0); 7.6634 (2.1); 7.6379 (8.2); 7.6138 (3.2); 7.5884 (1.0); 7.3045 (87.2); 7.2867 (8.6); 7.2826 (8.6); 7.2669 (2.8); 7.2594 (3.5); 7.2512 (4.9); 7.0771 (1.8); 7.0713 (1.9); 7.0540 (3.0); 7.0487 (3.2); 7.0299 (1.7); 7.0241 (1.8); 6.9535 (0.5); 6.7601 (1.6); 6.7397 (5.4); 6.7334 (6.8); 6.7071 (3.3); 6.6828 (0.9); 5.3445 (14.5); 3.4227 (1.4); 3.4069 (2.8); 3.3973 (1.8); 3.3914 (1.8); 3.3819 (2.8); 3.3663 (1.5); 3.2514 (0.7); 3.2227 (1.1); 3.1988 (1.2); 3.1682 (1.8); 3.1382 (1.2); 3.0580 (1.8); 3.0296 (2.0); 3.0039 (1.0); 2.9793 (1.0); 2.4928 (1.2); 2.4614 (1.9); 2.4512 (1.6); 2.4292 (1.2); 2.4185 (2.4); 2.3866 (1.3); 2.0915 (1.6); 2.0866 (1.8); 2.0644 (1.7); 2.0587 (1.6); 2.0497 (1.5); 2.0432 (1.4); 2.0209 (1.4); 1.6073 (3.4); 1.5913 (69.1); 1.5607 (3.6); 1.3455 (3.3); 1.3292 (3.8); 1.3242 (3.4); 1.3081 (3.1); 1.2988 (1.3); 0.2388 (0.4); 0.0542 (2.8); 0.0433 (85.6); 0.0325 (3.0); −0.1547 (0.4)

I-439: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 8.8088 (1.6); 8.7946 (3.0); 8.7806 (1.5); 8.1222 (16.0); 7.7591 (1.2); 7.7394 (3.8); 7.7199 (4.0); 7.7050 (4.8); 7.6838 (6.3); 7.5893 (3.1); 7.5700 (2.4); 7.3161 (6.0); 7.2836 (4.0); 7.2635 (5.6); 7.1768 (3.7); 7.1734 (3.5); 7.1570 (2.6); 7.1530 (2.5); 5.7569 (10.6); 3.6105 (0.8); 3.5948 (1.7); 3.5778 (2.0); 3.5618 (3.0); 3.5465 (1.6); 3.5063 (1.3); 3.4907 (2.3); 3.4747 (2.3); 3.4571 (1.4); 3.4423 (1.1); 3.3939 (0.6); 3.3774 (1.8); 3.3596 (2.3); 3.3430 (1.7); 3.3201 (58.2); 2.9201 (0.6); 2.8985 (0.8); 2.8803 (1.6); 2.8640 (1.7); 2.8585 (1.6); 2.8432 (1.4); 2.8194 (1.2); 2.8009 (2.0); 2.7811 (1.7); 2.7591 (0.9); 2.7405 (0.6); 2.6749 (0.6); 2.6704 (0.8); 2.6667 (0.7); 2.5236 (2.7); 2.5059 (109.8); 2.5016 (142.2); 2.4972 (102.7); 2.3281 (0.8); 2.2395 (0.6); 2.2186 (1.2); 2.2044 (1.4); 2.1983 (1.0); 2.1925 (1.2); 2.1860 (1.7); 2.1720 (1.4); 2.1669 (0.9); 2.1517 (0.6); 1.9887 (0.7); 1.8974 (0.7); 1.8813 (1.4); 1.8762 (1.0); 1.8651 (1.6); 1.8603 (1.6); 1.8490 (1.4); 1.8439 (1.4); 1.8329 (0.9); 1.8282 (1.1); 1.8125 (0.6); 1.3558 (1.3); 1.2345 (0.6); 1.1745 (0.4); −0.0002 (1.2)

I-440: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 9.4687 (12.7); 8.9157 (6.4); 8.9095 (6.6); 8.0029 (6.6); 7.9967 (6.6); 7.5477 (4.9); 7.5302 (7.6); 7.5172 (0.7); 7.5053 (0.4); 7.4828 (3.8); 7.4602 (0.6); 7.4474 (1.7); 7.4391 (1.5); 7.4324 (2.1); 7.4258 (1.7); 7.4172 (1.2); 7.4091 (0.8); 7.3504 (3.5); 7.3237 (4.0); 7.2988 (6.9); 7.0695 (4.1); 7.0256 (1.1); 7.0052 (2.2); 6.9844 (1.2); 6.9659 (2.3); 6.9389 (2.0); 4.2759 (1.6); 4.2551 (1.5); 4.2265 (3.4); 4.2058

TABLE 2-continued

(3.2); 4.1771 (1.8); 4.1563 (1.7); 2.5021 (11.6); 2.3141 (16.0); 2.0690 (1.1); 1.6827 (8.7); 1.3119 (0.4); 1.2926 (0.8); 1.2882 (0.9); 1.2643 (0.4); 0.0368 (5.9)

I-441: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.2919 (16.0); 7.8813 (1.1); 7.8627 (1.7); 7.6674 (1.3); 7.6442 (2.6); 7.6215 (1.8); 7.6009 (5.7); 7.5722 (8.2); 7.5376 (1.1); 7.5131 (2.6); 7.5107 (2.6); 7.4895 (2.0); 7.4515 (9.9); 7.4227 (8.7); 7.3924 (1.2); 7.2988 (22.9); 7.1352 (2.6); 6.9532 (5.4); 6.7711 (2.7); 5.3375 (0.6); 4.2718 (2.6); 4.2514 (2.5); 4.2249 (5.6); 4.2045 (5.4); 4.1781 (2.8); 4.1577 (2.7); 1.5873 (14.3); 1.2944 (0.9); 0.1083 (1.2); 0.0490 (0.7); 0.0381 (19.7); 0.0272 (0.8)

I-442: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.6464 (0.4); 7.5931 (0.6); 7.5504 (7.7); 7.4680 (4.5); 7.4062 (5.2); 7.3797 (4.0); 7.2971 (6.2); 7.2878 (2.6); 7.0769 (4.9); 6.9940 (2.7); 6.9684 (2.6); 6.3738 (2.4); 4.2939 (1.6); 4.2734 (1.8); 4.2450 (3.3); 4.2252 (3.4); 4.1955 (1.8); 4.1773 (1.7); 3.1706 (1.8); 3.1458 (5.0); 3.1362 (2.7); 3.1212 (5.2); 3.1117 (2.4); 3.0967 (2.0); 2.5143 (13.4); 2.3089 (16.0); 1.6020 (2.2); 1.3566 (5.6); 1.3468 (3.5); 1.3320 (10.4); 1.3225 (5.0); 1.3074 (5.4); 1.2979 (2.5); 0.1072 (0.4); 0.0367 (5.8); 0.0275 (2.5)

I-443: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 8.8897 (0.8); 8.8756 (1.8); 8.8617 (0.9); 7.9597 (1.7); 7.7538 (0.7); 7.7343 (2.0); 7.7146 (2.0); 7.6976 (2.5); 7.6779 (1.1); 7.6303 (3.6); 7.6262 (3.6); 7.5756 (2.9); 7.5410 (1.6); 7.5213 (1.3); 7.3097 (1.2); 7.2891 (4.4); 7.2768 (3.2); 7.2725 (2.9); 7.2565 (0.9); 7.2520 (0.9); 3.6475 (0.9); 3.6316 (2.6); 3.6161 (2.7); 3.6004 (1.1); 3.3375 (121.1); 2.9568 (1.9); 2.9404 (3.7); 2.9240 (1.9); 2.8976 (9.9); 2.7382 (9.0); 2.5131 (10.5); 2.5091 (13.9); 2.5051 (10.6); 2.2724 (16.0)

I-444: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.2420 (2.9); 9.2227 (3.0); 8.1850 (0.5); 8.1735 (16.0); 7.9551 (1.4); 7.7568 (1.3); 7.7372 (3.9); 7.7178 (3.7); 7.6954 (7.4); 7.6728 (2.2); 7.6291 (3.3); 7.6086 (2.2); 7.4978 (1.0); 7.4916 (8.7); 7.4872 (3.4); 7.4752 (3.6); 7.4704 (13.1); 7.4646 (2.1); 7.3802 (11.1); 7.3591 (7.8); 5.1340 (0.5); 5.1166 (1.9); 5.0985 (2.8); 5.0804 (1.9); 5.0629 (0.5); 3.3622 (33.3); 3.3593 (37.5); 3.3556 (42.9); 3.3518 (48.0); 2.8925 (9.6); 2.7344 (8.3); 2.5288 (0.4); 2.5154 (10.5); 2.5110 (22.2); 2.5065 (29.8); 2.5019 (21.5); 2.4975 (10.3); 1.4464 (13.8); 1.4289 (13.8); 1.2395 (0.6); −0.0002 (0.8)

I-445: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5988 (0.4); 7.5731 (1.3); 7.5470 (3.1); 7.5404 (1.8); 7.5194 (0.7); 7.5021 (1.9); 7.4774 (2.1); 7.4487 (5.0); 7.4422 (3.0); 7.4373 (2.1); 7.4252 (0.9); 7.2990 (11.9); 7.2752 (1.6); 7.2684 (1.5); 7.2473 (1.2); 7.2405 (1.1); 6.4183 (0.5); 6.3984 (0.8); 6.3781 (0.5); 6.1081 (0.5); 6.0977 (0.5); 6.0843 (0.5); 6.0742 (0.5); 5.9522 (0.5); 5.9422 (0.5); 5.9281 (0.5); 5.9183 (0.5); 4.2565 (0.4); 4.2461 (0.4); 4.2340 (0.3); 4.2237 (0.4); 4.1916 (0.4); 4.1674 (0.6); 4.1547 (0.4); 4.1435 (0.7); 4.1321 (0.4); 3.9439 (0.3); 3.9248 (0.4); 3.9201 (0.4); 3.9012 (0.4); 3.8950 (0.3); 3.8715 (0.6); 3.8526 (0.7); 3.8291 (0.4); 3.8229 (0.3); 3.0089 (1.2); 2.9840 (3.8); 2.9591 (3.8); 2.9342 (1.3); 2.3644 (16.0); 2.0814 (2.0); 1.6131 (3.2); 1.4108 (4.2); 1.3860 (8.8); 1.3611 (4.2); 1.3454 (0.7); 1.3194 (1.5); 1.3028 (3.4); 1.2959 (3.9); 1.2720 (0.9); 0.9404 (1.2); 0.9187 (3.6); 0.8954 (1.4); 0.0476 (0.4); 0.0367 (12.4); 0.0257 (0.5)

I-446: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.3023 (13.4); 7.8772 (0.8); 7.8601 (1.3); 7.6633 (1.0); 7.6389 (1.9); 7.6166 (1.2); 7.5313 (0.9); 7.5068 (2.0); 7.5044 (2.0); 7.4832 (1.5); 7.4805 (1.4); 7.4353 (2.2); 7.4079 (2.7); 7.3806 (4.5); 7.3540 (4.1); 7.2987 (18.7); 7.1330 (2.2); 7.0707 (3.8); 6.9904 (2.1); 6.9639 (1.9); 6.9509 (4.5); 6.7687 (2.2); 5.3376 (1.0); 4.3079 (2.1); 4.2879 (2.0); 4.2601 (4.4); 4.2402 (4.2); 4.2124 (2.2); 4.1925 (2.2); 2.5191 (6.6); 2.5122 (11.8); 2.5047 (6.5); 2.3072 (16.0); 1.5881 (9.5); 1.2944 (0.6); 0.1090 (1.0); 0.0496 (0.6); 0.0388 (16.6); 0.0278 (0.6)

I-447: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.3031 (13.0); 7.9551 (1.4); 7.5540 (1.5); 7.5507 (1.9); 7.5483 (1.8); 7.5449 (1.7); 7.5272 (2.4); 7.5240 (2.7); 7.5215 (2.9); 7.5183 (2.5); 7.4302 (3.5); 7.4228 (3.4); 7.4158 (5.0); 7.4091 (3.4); 7.4032 (6.0); 7.3759 (3.8); 7.3719 (3.8); 7.3449 (4.2); 7.3015 (34.9); 7.2240 (2.3); 7.2209 (2.4); 7.2165 (2.2); 7.2132 (2.1); 7.1965 (1.8); 7.1936 (1.8); 7.1890 (1.8); 7.1859 (1.6); 7.0839 (4.0); 7.0057 (2.1); 6.9789 (1.8); 5.3416 (5.7); 4.2989 (2.0); 4.2791 (2.0); 4.2509 (4.3); 4.2311 (4.2); 4.2029 (2.2); 4.1831 (2.1); 2.5190 (6.4); 2.5120 (11.8); 2.5046 (6.5); 2.4667 (0.4); 2.3721 (0.6); 2.3415 (16.0); 1.5890 (15.9); 1.2946 (0.6); 0.1102 (1.0); 0.0513 (1.1); 0.0405 (35.4); 0.0295 (1.2)

I-448: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.3520 (14.5); 7.7986 (1.8); 7.7144 (0.4); 7.6870 (4.1); 7.6703 (8.4); 7.6671 (8.2); 7.6497 (0.8); 7.5593 (4.0); 7.5066 (1.7); 7.4930 (2.1); 7.4865 (2.2); 7.4767 (1.8); 7.4681 (1.0); 7.3038 (84.9); 7.2800 (1.2); 7.2641 (2.0); 7.2507 (3.2); 7.2377 (2.2); 7.2252 (7.0); 7.2142 (5.5); 7.2070 (3.8); 7.1959 (4.4); 6.9529 (0.3); 6.8143 (0.5); 6.8019 (2.5); 6.7903 (2.7); 6.7852 (2.0); 6.7729 (2.1); 3.3281 (1.4); 3.3141 (2.0); 3.3015 (2.2); 3.2884 (2.3); 3.2725 (1.5); 3.1403 (3.5); 3.1156 (5.6); 3.0904 (3.8); 2.1794 (4.9); 2.1677 (0.8); 2.1545 (6.6); 2.1295 (4.2); 2.0522 (16.0); 1.6492 (2.9); 1.6284 (3.7); 1.6230 (3.2); 1.6021 (4.3); 1.5905 (58.5); 1.3306 (0.3); 1.2984 (1.7); 1.1672 (2.4); 1.1501 (3.3); 1.1299 (2.3); 0.2383 (0.4); 0.0536 (2.9); 0.0428 (83.3); 0.0319 (2.7)

I-449: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.6908 (7.0); 8.6866 (7.2); 8.5134 (6.6); 8.5076 (6.9); 8.2671 (14.6); 8.0131 (2.4); 7.8265 (4.3); 7.8212 (7.3); 7.8161 (4.5); 7.7826 (2.3); 7.4870 (5.8); 7.4656 (12.2); 7.4280 (11.7); 7.4067 (5.9); 7.2602 (26.9); 4.2172 (2.6); 4.2021 (2.7); 4.1811 (5.7); 4.1660 (5.6); 4.1448 (3.0); 4.1297 (2.9); 2.9548 (16.0); 2.8804 (15.2); 1.5556 (1.5); −0.0002 (39.6)

I-450: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.9235 (6.1); 8.4483 (3.3); 8.0161 (0.4); 7.9980 (0.7); 7.9789 (0.5); 7.6902 (1.4); 7.6698 (3.9); 7.6493 (0.3); 7.5860 (2.4); 7.5631 (1.7); 7.5041 (0.7); 7.4945 (1.2); 7.4872 (0.9); 7.4730 (0.8); 7.4661 (0.5); 7.3993 (3.6); 7.3950 (6.4); 7.2985 (10.2); 6.1409 (0.5); 6.1302 (0.6); 6.1169 (0.6); 6.1062 (0.5); 5.9853 (0.5); 5.9746 (0.6); 5.9614 (0.6); 5.9508 (0.5); 4.3284 (0.3); 4.3060 (0.3); 4.2484 (0.3); 4.2259 (0.3); 3.8987 (0.3); 3.8746 (0.3); 3.8457 (0.5); 3.8285 (0.5); 2.4644 (16.0); 1.6136 (9.1); 1.2934 (0.4); 0.0483 (0.3); 0.0375 (9.3)

I-451: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 8.8526 (5.5); 7.9193 (0.5); 7.9079 (1.0); 7.8967 (0.6); 7.6571 (0.3); 7.6411 (1.7); 7.6287 (4.1); 7.6282 (4.1); 7.4960 (2.3); 7.4831 (2.8); 7.4661 (4.1); 7.4350 (0.8); 7.4297 (1.3); 7.4253 (1.0); 7.4169 (1.0); 7.3908 (3.8); 7.3739 (2.7); 7.2623 (3.1); 5.2979 (1.6); 4.2276 (0.9); 4.2155 (0.9); 4.1991 (2.0); 4.1870 (2.0); 4.1705 (1.0); 4.1584 (1.0); 4.0690 (0.6); 3.9455 (16.0); 2.3756 (15.4); 2.3627 (0.7); 1.5785 (0.9); −0.0002 (3.0)

TABLE 2-continued

I-452: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.9120 (5.6); 7.9800 (0.4); 7.9614 (0.6); 7.9435 (0.4); 7.6872 (1.3); 7.6773 (1.2); 7.6677 (3.6); 7.6645 (3.1); 7.6516 (0.5); 7.5892 (2.2); 7.5538 (1.6); 7.4948 (0.7); 7.4840 (1.0); 7.4767 (1.0); 7.4725 (0.6); 7.4640 (0.8); 7.4562 (0.5); 7.4326 (0.4); 7.4046 (2.6); 7.3986 (4.1); 7.3687 (0.4); 7.2982 (3.8); 6.1395 (0.4); 6.1289 (0.5); 6.1156 (0.5); 6.1049 (0.5); 5.9840 (0.5); 5.9733 (0.5); 5.9599 (0.5); 5.9493 (0.5); 5.3339 (1.3); 4.2186 (0.4); 4.0990 (0.8); 3.9813 (16.0); 3.8768 (0.3); 3.8599 (0.3); 3.8521 (0.4); 3.8308 (0.5); 3.8138 (0.4); 3.8077 (0.3); 2.4140 (15.0); 2.4011 (1.1); 1.6169 (1.0); 0.0354 (2.1)
I-453: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 8.8191 (0.8); 8.8051 (1.6); 8.7910 (0.8); 7.7526 (0.6); 7.7332 (1.9); 7.7134 (1.8); 7.6946 (2.2); 7.6750 (1.0); 7.5736 (2.6); 7.5380 (1.5); 7.5181 (1.2); 7.2763 (2.7); 7.2552 (5.8); 7.2199 (6.5); 7.1989 (3.1); 3.6123 (0.9); 3.5963 (2.4); 3.5808 (2.6); 3.5648 (1.1); 3.3165 (17.8); 2.8995 (1.1); 2.8535 (1.8); 2.8370 (3.4); 2.8206 (1.8); 2.7407 (1.0); 2.5141 (7.5); 2.5097 (10.3); 2.5054 (7.8); 2.2427 (16.0)
I-454: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.3231 (2.0); 9.3030 (2.0); 8.2034 (9.2); 7.9533 (0.6); 7.8290 (4.0); 7.7535 (6.4); 7.7447 (3.2); 7.7317 (3.8); 7.7247 (3.2); 7.7094 (3.3); 7.6899 (1.2); 7.6566 (2.2); 7.6277 (4.2); 7.5815 (2.7); 7.5606 (3.2); 7.5303 (2.3); 7.5264 (2.5); 7.5090 (1.9); 7.5052 (2.1); 7.2895 (2.3); 7.2862 (2.5); 7.2685 (2.0); 7.2651 (2.1); 5.3032 (1.2); 5.2851 (1.7); 5.2666 (1.2); 3.3617 (33.2); 3.3575 (32.8); 3.3488 (39.6); 2.8899 (3.6); 2.7322 (3.2); 2.5264 (0.5); 2.5129 (11.1); 2.5087 (22.9); 2.5042 (30.7); 2.4998 (22.3); 2.4394 (16.0); 2.3670 (0.3); 1.5490 (8.4); 1.5316 (8.3); −0.0002 (0.5)
I-455: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.0317 (0.6); 7.5965 (2.5); 7.5756 (1.3); 7.5507 (3.0); 7.5421 (1.7); 7.5210 (0.7); 7.5047 (1.9); 7.4547 (0.9); 7.4484 (1.4); 7.4413 (0.7); 7.4327 (0.6); 7.4245 (0.9); 7.4170 (0.6); 7.4013 (6.6); 7.2986 (16.1); 6.4123 (0.5); 6.3918 (0.8); 6.3731 (0.5); 6.0932 (0.6); 6.0830 (0.6); 6.0694 (0.6); 6.0593 (0.6); 5.9375 (0.5); 5.9274 (0.6); 5.9138 (0.6); 5.9037 (0.5); 4.2566 (0.3); 4.2463 (0.4); 4.2342 (0.3); 4.2236 (0.4); 4.1654 (0.4); 4.1550 (0.3); 4.1428 (0.4); 4.1324 (0.3); 3.9454 (0.3); 3.9263 (0.4); 3.9216 (0.4); 3.9025 (0.4); 3.8728 (0.7); 3.8538 (0.7); 3.8302 (0.4); 3.0108 (1.2); 2.9859 (3.7); 2.9610 (3.8); 2.9362 (1.2); 2.3630 (16.0); 2.0447 (1.6); 1.6321 (0.7); 1.4112 (4.2); 1.3863 (8.8); 1.3711 (0.8); 1.3614 (3.9); 1.2932 (0.8); 0.0469 (0.6); 0.0361 (15.9); 0.0252 (0.5)
I-456: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.4189 (1.1); 8.3988 (0.7); 8.3322 (10.8); 8.3212 (3.0); 8.3140 (2.9); 7.8540 (1.8); 7.8461 (1.8); 7.8258 (2.8); 7.8180 (2.7); 7.7259 (4.4); 7.6978 (2.8); 7.6637 (0.8); 7.6381 (1.5); 7.6236 (0.8); 7.6148 (0.8); 7.4821 (0.6); 7.4608 (1.7); 7.4401 (2.3); 7.4350 (4.6); 7.4107 (2.1); 7.3837 (0.7); 7.2985 (18.5); 7.1114 (1.8); 6.9294 (3.7); 6.7472 (1.8); 5.3373 (0.4); 4.5274 (1.8); 4.5069 (1.8); 4.4837 (3.8); 4.4632 (3.7); 4.4400 (1.9); 4.4195 (1.8); 1.5895 (16.0); 1.2934 (0.8); 0.1074 (1.1); 0.0481 (0.6); 0.0374 (16.7); 0.0265 (0.6)
I-457: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.3869 (3.5); 7.3603 (4.0); 7.2987 (17.6); 7.1030 (0.8); 7.0756 (6.5); 7.0582 (9.2); 7.0549 (9.0); 7.0470 (4.8); 7.0283 (1.7); 7.0199 (1.1); 6.9815 (2.4); 6.9548 (2.1); 6.8324 (0.4); 6.8194 (1.4); 6.8032 (2.1); 6.7974 (1.7); 6.7884 (2.2); 6.7738 (1.2); 6.7657 (1.1); 4.2658 (1.8); 4.2452 (1.8); 4.2170 (3.9); 4.1961 (4.2); 4.1712 (2.6); 4.1477 (3.6); 4.1241 (0.7); 3.0999 (11.5); 3.0817 (11.4); 2.5124 (11.8); 2.3208 (16.0); 2.1544 (0.4); 2.1373 (0.9); 2.1262 (1.0); 2.1090 (2.0); 2.0915 (1.3); 2.0830 (9.1); 2.0634 (0.6); 1.5946 (10.3); 1.3695 (0.4); 1.3450 (0.9); 1.3214 (3.6); 1.3054 (6.0); 1.2977 (8.7); 1.2738 (2.5); 1.0672 (1.3); 1.0517 (3.4); 1.0451 (3.8); 1.0304 (2.0); 1.0231 (3.7); 1.0166 (3.5); 1.0021 (1.7); 0.9809 (0.3); 0.9739 (0.4); 0.9427 (2.1); 0.9209 (6.5); 0.8976 (2.4); 0.8094 (1.7); 0.7944 (4.1); 0.7885 (4.2); 0.7775 (3.7); 0.7716 (4.5); 0.7555 (1.3); 0.0497 (0.7); 0.0389 (21.4); 0.0280 (0.9)
I-458: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.1071 (1.9); 9.0923 (3.9); 9.0776 (1.9); 8.0896 (16.0); 7.7743 (1.4); 7.7543 (4.0); 7.7338 (3.8); 7.7043 (10.6); 7.6875 (2.8); 7.6277 (3.9); 7.6050 (8.5); 7.5845 (5.9); 7.5634 (7.0); 7.3633 (4.1); 7.3583 (4.0); 7.3423 (3.5); 7.3373 (3.3); 6.0886 (1.2); 6.0756 (2.2); 6.0634 (1.2); 5.9732 (1.2); 5.9603 (2.4); 5.9480 (1.2); 4.0507 (0.3); 4.0330 (0.3); 3.9354 (2.2); 3.9209 (3.3); 3.9100 (1.6); 3.9058 (1.6); 3.8779 (2.4); 3.8637 (3.7); 3.8503 (1.8); 3.3533 (0.5); 2.5228 (0.8); 2.5186 (1.1); 2.5145 (0.8); 1.9986 (1.3); 1.3769 (0.5); 1.2027 (0.3); 1.1849 (0.7); 1.1671 (0.3); −0.0002 (0.6)
I-459: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.3247 (0.3); 8.3040 (12.4); 7.9628 (1.3); 7.9453 (0.8); 7.4909 (1.8); 7.4640 (5.1); 7.4372 (4.1); 7.3985 (2.4); 7.3947 (3.3); 7.3924 (3.0); 7.3887 (2.8); 7.3719 (4.8); 7.3618 (1.5); 7.3456 (4.1); 7.3014 (22.8); 7.2686 (2.8); 7.2615 (5.0); 7.2548 (2.9); 7.1780 (2.2); 7.1743 (2.3); 7.1703 (2.1); 7.1668 (1.9); 7.1513 (1.9); 7.1475 (1.9); 7.1435 (1.8); 7.1399 (1.6); 7.0833 (4.0); 7.0039 (2.1); 6.9774 (1.8); 5.3411 (8.0); 4.2996 (2.0); 4.2798 (1.9); 4.2516 (4.3); 4.2318 (4.1); 4.2036 (2.2); 4.1838 (2.1); 2.5187 (6.5); 2.5117 (11.7); 2.5042 (6.4); 2.3726 (0.6); 2.3397 (16.0); 2.2488 (0.5); 1.5920 (11.5); 1.2958 (0.4); 0.0512 (0.9); 0.0404 (23.1); 0.0295 (0.8)
I-460: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 7.5017 (3.6); 7.4888 (3.4); 7.3994 (2.3); 7.3712 (1.0); 7.3648 (1.0); 7.3579 (1.2); 7.3530 (1.0); 7.3487 (0.8); 7.3425 (0.6); 7.2588 (6.2); 7.2422 (4.1); 7.1327 (3.6); 7.1129 (2.6); 6.5405 (0.9); 6.5207 (1.0); 5.3356 (0.8); 5.3174 (1.2); 5.2990 (0.8); 2.3700 (0.9); 2.3569 (16.0); 2.3213 (11.8); 2.2665 (0.4); 1.7984 (0.3); 1.5932 (6.9); 1.5759 (7.2); 1.5687 (6.5); −0.0002 (3.9)
I-461: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.5869 (8.4); 8.5853 (8.5); 7.9110 (1.4); 7.6659 (5.3); 7.6490 (6.5); 7.5096 (3.5); 7.4684 (1.4); 7.4602 (1.3); 7.4518 (1.8); 7.4469 (1.6); 7.4380 (1.2); 7.4299 (0.9); 7.3654 (3.4); 7.3388 (3.8); 7.3001 (12.6); 7.2985 (12.8); 7.0749 (4.0); 6.9880 (2.2); 6.9618 (1.9); 4.2992 (1.8); 4.2796 (1.7); 4.2512 (3.7); 4.2315 (3.6); 4.2030 (1.9); 4.1835 (1.8); 4.1722 (0.4); 2.5077 (11.5); 2.3192 (16.0); 2.0840 (1.3); 1.6293 (8.2); 1.3209 (0.4); 1.2968 (1.4); 1.2734 (0.4); 0.1089 (0.3); 0.0474 (0.8); 0.0391 (14.6); 0.0374 (14.3)
I-462: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.2471 (16.0); 8.0127 (0.8); 7.9325 (2.0); 7.4853 (1.4); 7.4719 (7.3); 7.4503 (13.2); 7.4278 (2.4); 7.3947 (10.7); 7.3734 (6.2); 7.2593 (26.6); 7.1017 (1.6); 7.0970 (1.7); 7.0772 (3.0); 7.0602 (1.4); 7.0552 (1.5); 7.0103 (2.8); 7.0053 (3.7); 6.9863 (7.0); 6.9837 (6.4); 6.9660 (2.6); 6.9602 (3.7); 6.9546 (1.7); 4.2103 (2.8); 4.1952 (2.7); 4.1747 (5.9); 4.1596 (5.8); 4.1391 (3.1); 4.1240 (3.0); 2.9528 (5.9); 2.8800 (5.5); 1.5457 (18.9); 1.2559 (0.5); −0.0002 (2.1)

TABLE 2-continued

I-463: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.6935 (4.7); 8.6890 (4.7); 8.5217 (4.5); 8.5158 (4.6); 8.2571 (10.3); 8.0142 (2.1); 7.8354 (3.0); 7.8303 (4.8); 7.8248 (2.9); 7.7851 (0.8); 7.7721 (1.3); 7.7582 (0.8); 7.5541 (3.7); 7.5328 (4.4); 7.4985 (3.7); 7.4947 (3.8); 7.3130 (2.3); 7.3084 (2.2); 7.2918 (2.0); 7.2872 (2.0); 7.2604 (21.7); 4.4368 (1.7); 4.4216 (1.7); 4.4001 (3.6); 4.3848 (3.5); 4.3634 (1.8); 4.3481 (1.8); 2.9551 (16.0); 2.8810 (14.8); 1.5570 (1.5); 0.0077 (1.4); −0.0002 (32.0); −0.0080 (1.3)
I-464: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 7.9987 (0.7); 7.5837 (1.5); 7.5683 (4.1); 7.5523 (0.4); 7.4319 (2.1); 7.3687 (0.7); 7.3619 (1.2); 7.3564 (0.9); 7.3434 (3.3); 7.3382 (3.2); 7.2851 (11.5); 7.2248 (2.1); 7.2043 (2.7); 7.0737 (1.7); 7.0684 (1.6); 7.0532 (1.3); 7.0480 (1.3); 6.1917 (0.5); 6.1769 (0.8); 6.1626 (0.5); 3.8640 (1.0); 3.8475 (2.8); 3.8315 (2.8); 3.8150 (1.1); 3.1202 (2.0); 3.1034 (3.8); 3.0866 (1.8); 2.9709 (5.1); 2.8866 (4.6); 2.4252 (16.0); 2.3182 (0.4); 1.5772 (6.4)
I-465: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.1882 (0.9); 9.1727 (1.9); 9.1567 (1.0); 8.6193 (5.3); 8.3818 (2.9); 8.3698 (3.1); 8.1484 (6.2); 7.9605 (2.4); 7.8788 (3.5); 7.7922 (0.7); 7.7729 (2.0); 7.7534 (1.9); 7.7305 (2.6); 7.7084 (7.2); 7.6962 (3.4); 7.6274 (1.8); 7.6075 (1.5); 7.5109 (2.1); 7.4897 (3.3); 7.4176 (2.1); 7.3959 (1.4); 4.3336 (0.8); 4.3179 (0.9); 4.2996 (1.8); 4.2839 (1.8); 4.2652 (1.0); 4.2499 (0.9); 3.9992 (16.0); 3.3257 (106.7); 2.8986 (12.5); 2.7395 (11.9); 2.5094 (14.5)
I-466: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.2959 (2.5); 9.2768 (2.6); 8.1978 (16.0); 7.9558 (1.6); 7.7605 (1.2); 7.7408 (3.8); 7.7211 (8.4); 7.6971 (4.4); 7.6774 (1.9); 7.6608 (6.2); 7.6558 (6.6); 7.6418 (3.2); 7.6212 (2.0); 7.5682 (6.3); 7.5579 (0.4); 7.5474 (8.3); 7.4188 (3.7); 7.4138 (3.7); 7.3979 (2.9); 7.3927 (2.9); 5.1686 (0.4); 5.1510 (1.8); 5.1328 (2.8); 5.1148 (1.9); 5.0969 (0.4); 3.3639 (29.5); 3.3540 (40.6); 3.3500 (42.5); 2.8937 (11.2); 2.7350 (9.6); 2.5296 (0.5); 2.5162 (11.7); 2.5118 (24.4); 2.5073 (32.6); 2.5027 (23.3); 2.4982 (11.2); 1.4557 (13.3); 1.4381 (13.2); 1.2392 (0.5); −0.0002 (0.8)
I-467: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.2490 (16.0); 7.8181 (2.2); 7.6198 (1.8); 7.6022 (3.2); 7.5847 (2.1); 7.4925 (1.8); 7.4777 (9.1); 7.4567 (13.6); 7.3932 (12.0); 7.3761 (7.1); 7.3723 (7.4); 7.3577 (1.8); 7.2591 (26.9); 7.0465 (3.1); 6.9099 (6.3); 6.7733 (3.1); 5.2970 (0.7); 4.2226 (2.9); 4.2073 (2.8); 4.1875 (6.1); 4.1722 (5.9); 4.1524 (3.1); 4.1371 (2.9); 2.7227 (0.7); 2.0016 (0.9); 1.5386 (31.9); 1.2549 (0.4); −0.0002 (18.2)
I-468: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.2846 (11.4); 8.1389 (1.3); 7.4130 (2.0); 7.3866 (4.5); 7.3688 (3.3); 7.3602 (3.0); 7.3424 (3.8); 7.2984 (34.0); 7.0898 (2.6); 7.0691 (4.6); 7.0266 (1.8); 7.0236 (1.8); 7.0186 (2.2); 7.0157 (2.0); 6.9997 (1.6); 6.9965 (1.7); 6.9885 (3.3); 6.9578 (1.8); 6.9427 (2.9); 6.9365 (3.7); 6.9296 (2.2); 5.3383 (16.0); 4.2876 (1.8); 4.2676 (1.7); 4.2394 (3.9); 4.2195 (3.7); 4.1913 (2.0); 4.1715 (1.9); 2.5102 (10.9); 2.5029 (6.0); 2.3295 (14.9); 2.0215 (0.4); 2.0045 (0.9); 1.9933 (1.0); 1.9766 (2.0); 1.9596 (1.1); 1.9485 (1.1); 1.9314 (0.5); 1.5813 (12.7); 1.0873 (1.3); 1.0720 (3.3); 1.0652 (3.6); 1.0501 (2.0); 1.0436 (3.6); 1.0372 (3.2); 1.0222 (1.6); 0.7992 (1.6); 0.7838 (4.2); 0.7780 (3.7); 0.7674 (3.4); 0.7617 (4.4); 0.7452 (1.2); 0.1077 (2.3); 0.0489 (1.4); 0.0382 (43.7); 0.0273 (1.6)
I-469: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 7.6202 (3.2); 7.5303 (3.4); 7.5205 (5.2); 7.4275 (2.8); 7.4132 (2.2); 7.3963 (3.1); 7.3337 (1.0); 7.3231 (3.3); 7.3066 (1.6); 7.2605 (3.6); 7.1900 (0.7); 7.1779 (1.3); 7.1659 (0.8); 4.3569 (1.0); 4.3441 (1.0); 4.3273 (2.1); 4.3146 (2.0); 4.2977 (1.1); 4.2850 (1.0); 4.1289 (0.8); 4.0306 (16.0); 4.0151 (0.5); 1.5819 (3.9); 1.3029 (0.3); 1.2891 (0.4); 1.2658 (1.2); 1.2564 (1.0); 0.8954 (0.7); 0.8818 (1.4); 0.8678 (0.7); −0.0002 (3.1)
I-470: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.2416 (16.0); 8.0138 (0.8); 7.8152 (1.8); 7.4793 (6.3); 7.4579 (10.4); 7.4276 (0.4); 7.4130 (0.3); 7.3948 (9.8); 7.3734 (5.9); 7.2592 (30.1); 7.2473 (0.4); 7.2404 (0.4); 7.2273 (3.7); 7.2182 (2.9); 7.2094 (7.6); 7.1952 (4.7); 7.1884 (2.4); 7.1734 (0.5); 7.1538 (0.4); 7.1439 (1.4); 7.1396 (1.5); 7.1311 (2.5); 7.1232 (2.4); 7.1150 (1.7); 7.1085 (1.3); 7.1035 (0.9); 7.0993 (0.8); 4.2221 (2.7); 4.2068 (2.6); 4.1871 (5.7); 4.1718 (5.5); 4.1520 (2.9); 4.1368 (2.8); 2.9531 (5.7); 2.8802 (5.2); 1.5434 (17.4); −0.0002 (2.5)
I-471: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.6944 (4.4); 8.6900 (4.3); 8.5206 (4.1); 8.5148 (4.2); 8.2566 (9.3); 8.0147 (2.2); 7.8349 (2.8); 7.8298 (4.5); 7.8243 (2.6); 7.7803 (0.8); 7.7669 (1.3); 7.7529 (0.8); 7.6522 (4.4); 7.4847 (0.7); 7.4627 (8.7); 7.4361 (0.5); 7.2604 (21.5); 4.4343 (1.5); 4.4189 (1.5); 4.3976 (3.3); 4.3823 (3.2); 4.3609 (1.7); 4.3455 (1.6); 2.9550 (16.0); 2.8811 (15.0); 1.5538 (2.4); −0.0002 (31.0)
I-472: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.2048 (1.1); 9.1893 (2.4); 9.1734 (1.2); 8.0119 (11.9); 7.7528 (0.9); 7.7338 (2.8); 7.7140 (2.9); 7.7001 (3.5); 7.6801 (1.3); 7.6364 (8.0); 7.5665 (2.2); 7.5406 (4.6); 7.5197 (4.4); 7.2793 (2.2); 7.2624 (2.0); 7.2586 (2.0); 5.7564 (0.6); 5.4606 (5.1); 5.1917 (4.1); 4.3087 (1.1); 4.2930 (1.1); 4.2741 (2.4); 4.2580 (2.3); 4.2394 (1.2); 4.2230 (1.2); 3.3214 (175.2); 2.6748 (1.1); 2.6703 (1.5); 2.6659 (1.1); 2.5410 (0.6); 2.5238 (3.4); 2.5102 (94.9); 2.5059 (200.3); 2.5015 (270.2); 2.4970 (193.9); 2.4927 (92.4); 2.3328 (1.1); 2.3282 (1.5); 2.3235 (1.1); 2.0083 (16.0); 0.1459 (1.2); 0.0079 (8.7); −0.0002 (267.7); −0.0084 (9.7); −0.1499 (1.2)
I-473: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.9246 (5.4); 7.9720 (0.4); 7.9534 (0.7); 7.9343 (0.5); 7.6771 (1.4); 7.6565 (3.8); 7.6404 (0.4); 7.6358 (0.3); 7.5846 (2.3); 7.5551 (1.7); 7.4967 (0.7); 7.4873 (1.2); 7.4800 (0.9); 7.4740 (0.6); 7.4662 (0.8); 7.4587 (0.5); 7.4310 (0.4); 7.4030 (2.6); 7.3971 (3.4); 7.3936 (4.0); 7.3656 (0.5); 7.2983 (1.7); 6.1388 (0.5); 6.1283 (0.5); 6.1147 (0.6); 6.1041 (0.5); 5.9830 (0.5); 5.9725 (0.5); 5.9589 (0.6); 5.9484 (0.5); 4.3157 (0.3); 4.2342 (0.3); 4.2117 (0.3); 4.0969 (16.0); 3.8715 (0.3); 3.8644 (0.3); 3.8473 (0.3); 3.8191 (0.5); 3.8017 (0.4); 2.3986 (14.6); 1.6312 (0.7); 0.0341 (1.0)
I-474: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ =9.1412 (2.4); 9.1267 (5.1); 9.1122 (2.7); 7.9617 (2.2); 7.7587 (1.9); 7.7389 (5.8); 7.7193 (5.6); 7.7007 (7.0); 7.6815 (3.2); 7.6379 (8.1); 7.5805 (4.7); 7.5608 (3.8); 7.5164 (0.4); 7.4721 (8.2); 7.4511 (13.6); 7.3897 (14.6); 7.3688 (9.4); 5.8163 (1.4); 5.8049 (2.2); 5.7900 (1.6); 5.6985 (1.4); 5.6866 (2.2); 5.6719 (1.6); 3.9942 (0.4); 3.9470 (0.4); 3.9314 (0.8); 3.9107 (1.4); 3.8948 (2.8); 3.8867 (2.0); 3.8782 (2.9); 3.8603 (2.4); 3.8419 (2.8); 3.8269 (2.8); 3.8146 (2.2); 3.8021 (1.6); 3.7916 (0.7); 3.7777 (0.8); 3.7663 (0.5); 3.5693 (5.1); 3.5516 (12.1); 3.5342 (6.4); 3.4946 (0.4); 3.4278 (0.4); 3.3154

TABLE 2-continued

(46.2); 3.2539 (60.4); 3.2305 (1.5); 3.2027 (0.7); 3.0753 (0.4); 2.9741 (0.5); 2.9566 (1.0); 2.9409 (3.3); 2.9317 (3.7); 2.9242 (6.1); 2.9142 (6.3); 2.9068 (4.2); 2.8997 (16.0); 2.8819 (1.6); 2.8644 (0.7); 2.7408 (12.3); 2.5141 (27.2); 2.5098 (36.5); 2.5056 (27.6)

I-475: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.1855 (1.0); 9.1697 (2.1); 9.1538 (1.1); 8.6183 (5.4); 8.3807 (2.9); 8.3687 (3.1); 8.1526 (5.1); 8.1501 (6.2); 7.9605 (2.4); 7.7899 (0.8); 7.7658 (4.6); 7.7512 (2.4); 7.7289 (3.0); 7.7074 (5.6); 7.6979 (6.2); 7.6257 (2.0); 7.6062 (1.7); 7.5854 (2.6); 7.5641 (2.9); 7.2806 (2.1); 7.2593 (1.9); 4.3389 (0.9); 4.3235 (1.0); 4.3051 (2.0); 4.2896 (2.0); 4.2712 (1.1); 4.2556 (1.0); 3.9968 (16.0); 3.3222 (117.4); 3.2733 (0.7); 2.8980 (11.4); 2.7390 (10.7); 2.5114 (14.6); 2.5081 (15.3)

I-476: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ =8.9914 (1.8); 8.1621 (5.0); 7.9542 (0.4); 7.7707 (0.4); 7.7510 (1.3); 7.7298 (1.7); 7.7235 (1.8); 7.6995 (1.4); 7.6799 (0.7); 7.6526 (1.0); 7.6333 (0.7); 7.5056 (1.5); 7.5004 (0.7); 7.4920 (1.7); 7.4834 (1.9); 7.4751 (0.8); 7.4699 (1.7); 7.0894 (1.7); 7.0843 (0.6); 7.0672 (3.3); 7.0502 (0.5); 7.0450 (1.6); 3.3800 (19.4); 3.3709 (33.2); 2.8929 (3.1); 2.7344 (2.7); 2.5158 (4.3); 2.5114 (9.0); 2.5069 (12.0); 2.5024 (8.6); 2.4979 (4.1); 1.6433 (16.0)

I-477: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.1240 (5.1); 7.9204 (0.7); 7.9006 (0.4); 7.6343 (0.5); 7.6108 (1.0); 7.5875 (2.7); 7.5587 (3.3); 7.5315 (0.4); 7.5070 (1.0); 7.5044 (1.0); 7.4830 (0.7); 7.4803 (0.7); 7.4537 (3.6); 7.4247 (3.2); 7.3957 (1.3); 7.3681 (0.5); 7.2985 (8.8); 7.1304 (1.0); 6.9480 (2.2); 6.7657 (1.0); 4.2756 (1.0); 4.2551 (1.0); 4.2290 (2.2); 4.2086 (2.1); 4.1825 (1.1); 4.1620 (1.1); 2.7620 (16.0); 1.5925 (4.5); 0.0376 (9.0); 0.0267 (0.3)

I-478: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.3043 (16.0); 7.9644 (1.1); 7.9464 (1.9); 7.9274 (1.1); 7.7295 (4.8); 7.7232 (5.2); 7.6907 (6.2); 7.6733 (9.8); 7.6474 (0.4); 7.5784 (5.4); 7.5498 (9.8); 7.4960 (0.4); 7.4828 (1.8); 7.4742 (1.7); 7.4684 (2.8); 7.4620 (2.3); 7.4524 (1.7); 7.4442 (1.2); 7.3570 (3.3); 7.3504 (3.2); 7.3288 (2.6); 7.3222 (2.6); 7.3016 (31.3); 4.5245 (2.7); 4.5041 (2.6); 4.4761 (5.6); 4.4556 (5.4); 4.4276 (2.8); 4.4073 (2.7); 2.0494 (1.6); 1.5900 (14.3); 1.2943 (0.8); 0.1101 (0.8); 0.0509 (1.0); 0.0400 (31.4); 0.0290 (1.1)

I-479: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.2071 (1.6); 9.1912 (3.2); 9.1755 (1.6); 8.6209 (4.7); 8.6154 (4.8); 8.0734 (16.0); 8.0498 (2.9); 8.0435 (2.8); 8.0287 (3.0); 8.0224 (3.0); 7.7567 (1.2); 7.7374 (3.8); 7.7180 (3.8); 7.7033 (4.6); 7.6834 (1.8); 7.6336 (5.1); 7.5613 (3.0); 7.5414 (2.4); 7.5121 (5.0); 7.4912 (4.7); 4.2330 (1.5); 4.2175 (1.6); 4.1991 (3.5); 4.1833 (3.4); 4.1648 (1.8); 4.1488 (1.7); 3.3333 (129.7); 3.3294 (135.2); 2.6762 (0.4); 2.6713 (0.6); 2.6670 (0.5); 2.5418 (11.1); 2.5111 (41.1); 2.5069 (83.7); 2.5025 (111.8); 2.4981 (81.7); 2.3335 (0.4); 2.3292 (0.6); 2.3249 (0.5); −0.0007 (2.9)

I-480: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.1570 (1.2); 9.1414 (2.5); 9.1258 (1.2); 7.9847 (12.9); 7.9601 (0.6); 7.5247 (1.8); 7.5049 (4.6); 7.4852 (3.5); 7.4352 (3.8); 7.4159 (2.4); 7.3516 (2.8); 7.3466 (4.4); 7.3428 (3.4); 7.3187 (6.0); 7.2987 (6.0); 7.0839 (4.3); 6.9439 (2.3); 6.9241 (2.1); 4.3170 (10.4); 4.1289 (1.2); 4.1133 (1.2); 4.0919 (2.7); 4.0762 (2.7); 4.0548 (1.4); 4.0391 (1.3); 3.3526 (15.5); 2.8977 (4.2); 2.7391 (3.7); 2.5316 (1.0); 2.5181 (17.8); 2.5139 (34.3); 2.5094 (44.4); 2.5049 (32.6); 2.4205 (11.3); 2.2627 (0.8); 2.2424 (16.0); 2.1938 (0.5)

I-481: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.2123 (5.2); 8.0553 (0.6); 8.0285 (0.6); 7.6067 (0.6); 7.5805 (1.6); 7.5542 (1.2); 7.4872 (1.4); 7.4615 (0.9); 7.4164 (1.8); 7.3905 (1.0); 7.3873 (1.1); 7.3834 (0.9); 7.3639 (0.7); 7.3605 (0.8); 7.3566 (0.8); 7.3053 (7.8); 6.8977 (1.1); 6.7100 (2.2); 6.6308 (4.8); 6.5223 (1.1); 5.4060 (0.6); 5.3815 (0.7); 5.3433 (1.7); 4.2006 (0.5); 4.1767 (1.6); 4.1529 (1.6); 4.1291 (0.5); 2.7790 (16.0); 2.6220 (1.4); 2.6084 (1.3); 2.3063 (0.6); 2.2923 (0.5); 2.2793 (0.4); 2.2624 (0.4); 2.0890 (7.3); 1.9604 (0.5); 1.9528 (0.5); 1.9334 (1.2); 1.9258 (1.2); 1.9173 (2.4); 1.9065 (1.4); 1.8970 (1.3); 1.8840 (0.4); 1.8729 (0.4); 1.6190 (2.7); 1.3268 (2.0); 1.3030 (4.3); 1.2792 (1.9); 0.0432 (7.6)

I-482: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.2501 (16.0); 8.0114 (1.5); 7.7839 (2.1); 7.4785 (6.0); 7.4570 (12.5); 7.4183 (11.9); 7.3969 (5.8); 7.2863 (2.3); 7.2818 (3.7); 7.2772 (2.7); 7.2594 (35.5); 7.2003 (6.1); 7.1977 (6.2); 6.9605 (2.3); 6.9552 (4.0); 6.9498 (2.3); 6.9388 (2.4); 6.9333 (4.0); 6.9280 (2.2); 4.2064 (2.9); 4.1913 (2.8); 4.1707 (6.0); 4.1555 (5.9); 4.1348 (3.1); 4.1197 (3.0); 2.9531 (10.7); 2.8796 (9.9); 1.5442 (26.6); −0.0002 (2.7)

I-483: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.6949 (4.5); 8.6906 (4.8); 8.5257 (4.4); 8.5199 (4.6); 8.2872 (10.0); 8.0175 (2.4); 7.8312 (2.9); 7.8259 (4.8); 7.8206 (3.0); 7.7825 (1.3); 7.5687 (4.7); 7.4334 (1.8); 7.4292 (1.7); 7.4125 (3.1); 7.4082 (3.1); 7.3581 (4.8); 7.3373 (2.8); 7.2602 (24.6); 6.0556 (0.9); 6.0478 (0.9); 6.0371 (1.0); 6.0294 (0.9); 5.9385 (0.9); 5.9309 (1.0); 5.9201 (1.0); 5.9124 (0.9); 4.3079 (0.4); 4.3005 (0.5); 4.2914 (0.5); 4.2834 (0.5); 4.2719 (0.6); 4.2638 (0.6); 4.2547 (0.6); 4.2470 (0.6); 4.2383 (0.5); 4.2306 (0.5); 4.2211 (0.5); 4.2131 (0.5); 4.2016 (0.6); 4.1939 (0.6); 4.1846 (0.6); 4.1767 (0.5); 3.8247 (0.6); 3.8119 (0.6); 3.8063 (0.6); 3.7935 (0.6); 3.7882 (0.5); 3.7744 (0.9); 3.7614 (0.7); 3.7561 (0.9); 3.7428 (0.6); 3.7374 (0.6); 3.7248 (0.5); 3.7187 (0.5); 3.7062 (0.4); 2.9567 (16.0); 2.8832 (14.8); 1.5570 (0.7); −0.0002 (36.1)

I-484: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 8.6725 (0.7); 8.6589 (1.5); 8.6454 (0.7); 7.9618 (1.6); 7.7027 (0.7); 7.6829 (1.7); 7.6632 (1.3); 7.6254 (1.9); 7.6060 (1.0); 7.5094 (2.3); 7.4750 (1.3); 7.4552 (1.0); 7.0627 (1.8); 7.0576 (1.9); 6.9969 (2.1); 6.9763 (2.2); 6.4811 (2.5); 6.4754 (2.6); 6.1987 (1.4); 6.1928 (1.3); 6.1781 (1.3); 6.1723 (1.3); 3.7871 (0.8); 3.7474 (1.4); 3.7382 (14.1); 3.7143 (0.3); 3.6687 (16.0); 3.4225 (0.7); 3.4057 (1.7); 3.3910 (1.7); 3.3740 (0.8); 3.3159 (19.9); 2.8996 (10.3); 2.7406 (9.3); 2.6934 (1.4); 2.6757 (2.8); 2.6580 (1.6); 2.6397 (0.9); 2.6333 (0.9); 2.6259 (0.7); 2.5141 (8.9); 2.5098 (12.0); 2.5056 (9.1); 0.6570 (6.0); 0.6416 (2.9)

I-485: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5074 (5.7); 7.4901 (7.4); 7.4643 (0.4); 7.4078 (3.8); 7.3780 (0.6); 7.3632 (4.8); 7.3490 (2.5); 7.3426 (2.6); 7.3358 (5.3); 7.2983 (22.5); 7.1836 (1.0); 7.1649 (1.8); 7.1450 (1.0); 7.0606 (4.2); 7.0180 (0.4); 6.9924 (2.3); 6.9650 (2.0); 6.7567 (0.6); 4.2129 (1.4); 4.1939 (1.7); 4.1707 (2.2); 4.1626 (3.2); 4.1467 (2.9); 4.1422 (3.1); 4.1232 (0.8); 4.1120 (1.6); 4.0915 (1.5); 3.5728 (1.4); 3.5511 (3.5); 3.5332 (3.6); 3.5117 (1.4); 2.5602 (2.8); 2.5378 (6.2); 2.5155 (3.5); 2.4850 (11.9); 2.3588 (0.3); 2.3228 (16.0); 2.1317 (0.5); 2.0838 (7.1); 2.0537 (2.8); 2.0316 (3.9); 2.0094 (2.5); 1.9870 (0.7); 1.4701 (5.1); 1.3208 (1.9); 1.2969 (4.1); 1.2787 (1.1); 1.2732 (1.9); 1.2594 (0.3); 0.1195 (1.3); 0.1078 (23.0); 0.0954 (0.9); 0.0483 (1.0); 0.0376 (22.2); 0.0267 (0.8)

TABLE 2-continued

I-486: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.1408 (0.9); 9.1253 (2.0); 9.1100 (1.0); 8.6214 (5.2); 8.3849 (2.8); 8.3728 (3.1); 8.1920 (6.1); 7.9607 (1.9); 7.7911 (0.6); 7.7715 (2.0); 7.7513 (2.0); 7.7279 (5.7); 7.7153 (4.9); 7.7033 (3.6); 7.6406 (2.0); 7.6207 (1.6); 7.5862 (3.0); 7.5653 (5.8); 7.5227 (5.7); 7.5017 (3.2); 4.1879 (0.9); 4.1728 (1.0); 4.1535 (2.0); 4.1381 (2.0); 4.1197 (1.1); 4.1039 (1.0); 3.9992 (16.0); 3.3257 (97.6); 2.8985 (9.5); 2.7396 (9.1); 2.5092 (14.1)
I-487: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.2896 (2.6); 9.2699 (2.7); 8.1889 (16.0); 8.1802 (0.7); 7.9544 (0.4); 7.7592 (1.2); 7.7396 (3.9); 7.7262 (5.5); 7.7206 (6.7); 7.6952 (4.4); 7.6765 (2.0); 7.6447 (3.1); 7.6264 (2.0); 7.6241 (2.0); 7.4741 (5.9); 7.3818 (2.2); 7.3628 (4.8); 7.3440 (3.4); 7.3248 (6.4); 7.3060 (3.5); 7.2901 (3.0); 7.2857 (4.6); 7.2814 (3.1); 7.2707 (1.6); 7.2662 (2.2); 7.2622 (1.4); 5.1752 (0.4); 5.1576 (1.8); 5.1393 (2.7); 5.1212 (1.9); 5.1033 (0.5); 3.4449 (0.3); 3.3975 (70.7); 3.3893 (111.8); 2.8932 (2.5); 2.7348 (2.2); 2.5307 (0.4); 2.5174 (10.1); 2.5130 (21.5); 2.5085 (29.3); 2.5039 (21.3); 2.4995 (10.4); 1.4602 (13.6); 1.4427 (13.7); 1.4263 (0.6); 1.2391 (0.4)
I-488: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 8.7980 (0.9); 8.7844 (1.7); 8.7708 (0.9); 8.5666 (8.1); 7.9589 (0.5); 7.8006 (0.6); 7.7805 (1.9); 7.7601 (3.5); 7.7519 (5.6); 7.6636 (1.8); 7.6453 (1.3); 7.0555 (2.6); 7.0364 (2.9); 6.9122 (3.5); 6.7717 (1.9); 6.7530 (1.6); 3.5247 (1.2); 3.5078 (2.6); 3.4914 (2.6); 3.4744 (1.2); 3.3195 (19.3); 2.8967 (2.9); 2.8290 (2.2); 2.8110 (3.7); 2.7931 (1.9); 2.7376 (2.6); 2.6762 (0.4); 2.5112 (54.3); 2.5071 (68.3); 2.5031 (50.0); 2.3338 (0.4); 2.2624 (16.0); 2.1605 (14.5)
I-489: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.3336 (10.0); 7.7350 (1.0); 7.6500 (0.6); 7.6309 (6.1); 7.6088 (2.6); 7.5826 (0.7); 7.3376 (2.9); 7.3039 (9.0); 7.2957 (1.7); 7.2794 (1.3); 7.2722 (1.8); 7.2643 (0.8); 7.2085 (2.0); 7.1832 (2.1); 7.0314 (0.9); 7.0269 (0.9); 7.0055 (1.9); 7.0030 (2.0); 6.9802 (1.3); 6.9754 (1.2); 6.7923 (1.5); 6.7884 (1.7); 6.7674 (2.3); 6.7636 (2.8); 6.7488 (3.2); 6.7451 (2.8); 6.7388 (1.4); 6.7217 (2.4); 5.3413 (1.1); 4.3261 (0.6); 4.3148 (0.7); 4.3012 (0.6); 4.2892 (1.8); 4.2775 (1.4); 4.2640 (1.5); 4.2526 (1.3); 4.2316 (1.2); 4.2201 (1.4); 4.2074 (1.4); 4.1969 (2.6); 4.1828 (0.7); 4.1737 (3.8); 4.1585 (0.7); 4.1499 (3.6); 4.1261 (1.2); 4.0446 (0.6); 4.0292 (0.7); 4.0221 (0.6); 4.0065 (0.7); 3.9985 (1.4); 3.9831 (1.5); 3.9761 (1.4); 3.9607 (1.4); 3.9324 (1.3); 3.9151 (1.6); 3.9111 (1.6); 3.8939 (1.4); 3.8865 (0.7); 3.8691 (0.7); 3.8649 (0.7); 3.8479 (0.6); 3.3303 (0.3); 3.3097 (1.0); 3.2908 (1.3); 3.2722 (1.0); 2.2192 (0.4); 2.2079 (0.4); 2.1985 (0.5); 2.1944 (0.5); 2.1872 (0.6); 2.1831 (0.5); 2.1730 (0.9); 2.1613 (1.0); 2.1516 (0.8); 2.1477 (0.9); 2.1402 (0.9); 2.1364 (0.8); 2.1272 (0.7); 2.1156 (0.6); 2.0866 (16.0); 2.0457 (0.7); 2.0336 (0.7); 2.0218 (1.1); 2.0105 (1.1); 1.9985 (1.0); 1.9871 (0.9); 1.9750 (0.7); 1.9639 (0.6); 1.9515 (0.4); 1.9401 (0.3); 1.6266 (7.4); 1.3247 (4.3); 1.3008 (8.4); 1.2770 (4.1); 0.0416 (7.6)
I-490: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ =9.1801 (1.2); 9.1651 (2.5); 9.1499 (1.2); 8.0103 (9.3); 7.6531 (1.5); 7.6308 (3.1); 7.6109 (1.8); 7.3524 (2.5); 7.3331 (7.3); 7.3022 (5.7); 7.0811 (4.5); 6.9301 (2.5); 6.9107 (2.2); 4.1317 (1.2); 4.1160 (1.2); 4.0946 (2.7); 4.0790 (2.6); 4.0575 (1.4); 4.0418 (1.3); 3.3398 (40.2); 2.6785 (0.3); 2.5094 (57.7); 2.4193 (11.7); 2.3360 (0.4); 2.2609 (0.6); 2.2272 (16.0); 2.1805 (0.5)
I-491: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.2404 (16.0); 8.0148 (1.2); 7.7574 (2.1); 7.6479 (7.2); 7.4703 (1.3); 7.4491 (12.8); 7.4212 (1.0); 7.2902 (2.2); 7.2853 (3.5); 7.2808 (2.6); 7.2587 (46.6); 7.2069 (5.8); 7.2049 (5.7); 6.9664 (2.2); 6.9611 (3.9); 6.9557 (2.2); 6.9447 (2.3); 6.9393 (3.9); 6.9339 (2.1); 4.4257 (2.6); 4.4104 (2.5); 4.3894 (5.4); 4.3741 (5.3); 4.3531 (2.8); 4.3378 (2.7); 2.9534 (8.1); 2.8807 (7.4); 1.5340 (47.6); 1.5033 (0.3); 1.2556 (0.4)
I-492: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.2444 (16.0); 8.0130 (1.7); 7.8728 (2.1); 7.4803 (6.2); 7.4587 (12.6); 7.4481 (4.7); 7.4413 (4.2); 7.4342 (4.1); 7.4146 (11.3); 7.3932 (5.9); 7.2594 (35.4); 7.2411 (5.4); 7.2214 (4.6); 7.1653 (2.5); 7.1561 (3.5); 7.1485 (2.6); 7.1430 (1.8); 7.1339 (2.1); 7.1261 (1.5); 4.2097 (2.8); 4.1946 (2.8); 4.1739 (5.9); 4.1588 (5.8); 4.1380 (3.0); 4.1229 (2.9); 2.9533 (12.2); 2.8802 (11.3); 1.5445 (26.1); −0.0002 (2.9)
I-493: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.0048 (1.3); 8.9907 (2.7); 8.9763 (1.3); 7.9618 (2.6); 7.6958 (1.1); 7.6761 (3.1); 7.6562 (2.4); 7.6214 (3.2); 7.6019 (1.7); 7.5150 (0.7); 7.4781 (4.2); 7.4558 (2.5); 7.4273 (5.0); 7.4058 (6.4); 7.3217 (6.8); 7.3009 (4.7); 7.1240 (3.3); 7.1192 (3.4); 5.7366 (0.7); 5.7228 (1.5); 5.7082 (0.7); 5.6187 (0.7); 5.6043 (1.6); 5.5904 (0.8); 3.7916 (1.2); 3.7776 (2.2); 3.7635 (1.2); 3.7369 (1.3); 3.7230 (2.2); 3.7085 (1.3); 3.3156 (26.0); 2.8995 (16.0); 2.7404 (14.5); 2.6547 (1.2); 2.6460 (1.4); 2.6399 (1.5); 2.6321 (1.2); 2.5140 (14.8); 2.5097 (19.9); 2.5055 (15.0); 0.6871 (4.0); 0.6694 (7.1)
I-494: ^{1}H-NMR(499.9 MHz, d_6-DMSO):
δ = 9.1929 (0.4); 9.1816 (0.7); 9.1699 (0.4); 8.8543 (3.5); 8.7183 (1.4); 8.7085 (1.5); 8.2587 (0.4); 8.2392 (3.3); 8.1117 (0.4); 7.9562 (2.3); 7.7545 (1.8); 7.7365 (1.3); 7.7267 (1.2); 7.5402 (0.3); 7.5371 (0.3); 7.5234 (1.3); 7.5204 (1.5); 7.5125 (1.8); 7.4953 (0.8); 7.4759 (0.6); 7.3850 (0.5); 7.3743 (0.5); 7.3707 (0.5); 7.3583 (0.8); 7.3539 (0.9); 7.3446 (0.8); 7.3277 (0.4); 6.0682 (0.4); 6.0654 (0.3); 5.9762 (0.4); 5.9733 (0.4); 3.9087 (0.3); 3.8965 (0.4); 3.3268 (9.5); 2.8933 (16.0); 2.7346 (14.1); 2.5125 (0.8); 2.5091 (1.7); 2.5056 (2.3); 2.5020 (1.7); 2.4986 (0.8); −0.0002 (0.9)
I-495: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.2159 (3.0); 9.1962 (3.1); 8.1712 (16.0); 7.9550 (0.6); 7.7542 (1.3); 7.7348 (3.8); 7.7144 (3.4); 7.6887 (11.2); 7.6698 (2.4); 7.6276 (3.7); 7.6080 (2.3); 7.4609 (4.5); 7.4470 (5.2); 7.4393 (5.8); 7.4306 (2.3); 7.4254 (5.1); 7.1400 (0.6); 7.1323 (5.9); 7.1273 (2.1); 7.1155 (2.3); 7.1101 (10.8); 7.0930 (1.8); 7.0879 (5.4); 7.0803 (0.6); 5.1669 (0.5); 5.1495 (1.9); 5.1313 (2.9); 5.1131 (2.0); 5.0956 (0.5); 3.3675 (39.2); 3.3641 (48.1); 3.3607 (48.9); 3.3574 (53.6); 2.8926 (4.1); 2.7343 (3.6); 2.5290 (0.4); 2.5155 (10.8); 2.5112 (22.9); 2.5066 (31.0); 2.5021 (22.5); 2.4977 (11.0); 1.4550 (15.0); 1.4376 (14.8); 1.2395 (0.4); −0.0002 (0.7)
I-496: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.1703 (1.1); 9.1548 (2.4); 9.1391 (1.1); 8.3165 (0.4); 8.0126 (14.8); 7.7672 (1.0); 7.7477 (2.9); 7.7281 (2.8); 7.7114 (3.3); 7.6916 (1.3); 7.6269 (3.8); 7.5676 (2.1); 7.5474 (1.7); 7.4327 (4.0); 7.4126 (4.4); 7.3834 (4.4); 6.9681 (2.3); 6.9482 (2.1); 4.2831 (1.2); 4.2672 (1.2); 4.2479 (2.6); 4.2321 (2.5); 4.2126 (1.3); 4.1969 (1.2); 3.9028 (3.2); 3.3260 (105.2); 2.6755 (0.9); 2.6709 (1.2); 2.6664 (0.9); 2.6618 (0.4); 2.5244 (3.9); 2.5196 (6.2); 2.5110 (79.8); 2.5065 (160.3); 2.5020 (207.7); 2.4974 (147.9); 2.4929 (70.5); 2.3470 (0.4); 2.3379 (0.5); 2.3333 (1.0); 2.3288 (1.3); 2.3242 (0.9); 2.2170 (16.0); −0.0003 (1.1)

TABLE 2-continued

I-497: ^{1}H-NMR(499.9 MHz, d_6-DMSO):
δ = 9.3020 (0.8); 9.2896 (1.5); 9.2771 (0.7); 7.7396 (0.7); 7.7238 (1.8); 7.7079 (1.4); 7.6808 (1.8); 7.6651 (1.0); 7.5882 (2.3); 7.5551 (1.3); 7.5393 (1.0); 7.3227 (2.2); 7.3067 (2.3); 7.0951 (2.4); 6.9683 (1.3); 6.9525 (1.2); 4.1651 (0.7); 4.1526 (0.7); 4.1352 (1.5); 4.1227 (1.4); 4.1052 (0.8); 4.0927 (0.7); 3.3213 (3.0); 2.5091 (0.7); 2.5056 (1.3); 2.5020 (1.6); 2.4984 (1.1); 2.4949 (0.5); 2.4323 (6.7); 2.2390 (9.3); 2.2090 (16.0); 0.8563 (0.5)
I-498: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.3129 (16.0); 7.9627 (1.7); 7.6825 (6.5); 7.6650 (8.6); 7.5152 (4.6); 7.5002 (0.6); 7.4865 (2.0); 7.4767 (2.4); 7.4709 (2.9); 7.4641 (2.4); 7.4542 (2.6); 7.4493 (3.1); 7.4318 (2.3); 7.4234 (1.8); 7.4054 (1.8); 7.3681 (4.0); 7.3408 (2.1); 7.3037 (11.0); 7.2918 (2.5); 7.2620 (2.3); 7.2153 (1.3); 7.2081 (1.2); 7.1873 (2.2); 7.1806 (1.9); 7.1599 (1.0); 7.1533 (0.9); 4.2849 (2.7); 4.2647 (2.6); 4.2374 (5.6); 4.2171 (5.5); 4.1898 (2.9); 4.1696 (2.8); 4.1493 (0.5); 2.0860 (2.2); 1.6137 (6.3); 1.3243 (0.7); 1.3004 (1.8); 1.2766 (0.7); 0.0415 (9.8); 0.0307 (0.4)
I-499: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.9369 (4.0); 8.8035 (3.6); 8.7952 (3.5); 8.3414 (11.1); 7.9213 (3.6); 7.7807 (1.4); 7.3856 (3.4); 7.3590 (4.0); 7.3047 (22.4); 7.0970 (4.0); 7.0230 (2.2); 6.9969 (1.9); 4.3232 (1.9); 4.3036 (1.9); 4.2748 (4.1); 4.2551 (3.9); 4.2263 (2.1); 4.2066 (2.0); 2.5193 (11.7); 2.5122 (6.5); 2.3387 (16.0); 1.6014 (10.8); 1.2990 (0.4); 0.1134 (0.7); 0.0539 (1.0); 0.0433 (21.9); 0.0324 (0.8)
I-500: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 8.7914 (0.7); 8.7773 (1.4); 8.7630 (0.7); 7.9620 (0.7); 7.7530 (0.6); 7.7333 (1.6); 7.7136 (1.5); 7.6917 (1.9); 7.6720 (0.9); 7.6089 (2.2); 7.5645 (1.3); 7.5448 (1.1); 7.0344 (2.1); 7.0138 (2.3); 6.5184 (2.4); 6.5127 (2.6); 6.2915 (1.4); 6.2856 (1.4); 6.2709 (1.4); 6.2650 (1.3); 3.7695 (14.2); 3.7244 (0.4); 3.6845 (16.0); 3.5142 (0.8); 3.4974 (2.1); 3.4821 (2.2); 3.4658 (0.9); 3.3157 (13.2); 2.8998 (4.4); 2.7479 (1.6); 2.7409 (4.6); 2.7311 (3.1); 2.7141 (1.5); 2.5142 (7.1); 2.5099 (9.6); 2.5057 (7.2); 2.4809 (0.5); 2.2778 (13.1)
I-501: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.1974 (1.3); 9.1837 (2.6); 9.1693 (1.5); 8.8607 (7.0); 8.7244 (3.7); 8.7121 (4.0); 8.2447 (7.8); 8.1165 (0.7); 7.9609 (3.4); 7.7412 (3.7); 7.7290 (3.8); 7.6499 (5.1); 7.5965 (3.0); 7.5755 (3.9); 7.5189 (0.6); 7.4992 (1.5); 7.4801 (1.8); 7.4570 (1.0); 7.4182 (3.2); 7.3970 (3.3); 7.3762 (2.0); 7.3580 (3.5); 7.3446 (2.4); 7.3250 (1.0); 6.1072 (0.7); 6.0946 (1.3); 6.0828 (0.9); 5.9919 (0.8); 5.9795 (1.3); 5.9679 (0.9); 3.9981 (0.4); 3.9773 (0.6); 3.9609 (1.1); 3.9425 (0.9); 3.9205 (1.3); 3.9061 (1.9); 3.8623 (0.9); 3.8511 (1.2); 3.8394 (0.8); 3.8289 (0.5); 3.8159 (0.5); 3.8038 (0.4); 3.3256 (135.8); 2.8996 (16.0); 2.7404 (15.0); 2.5105 (20.0); 2.5073 (18.7)
I-502: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.1981 (0.9); 9.1783 (0.9); 8.1645 (5.1); 7.9534 (0.3); 7.7531 (0.4); 7.7335 (1.4); 7.7145 (2.8); 7.6915 (1.7); 7.6723 (0.7); 7.6370 (1.1); 7.6174 (0.7); 7.2243 (1.1); 7.2042 (2.3); 7.1838 (1.4); 6.9792 (1.6); 6.9749 (1.6); 6.9694 (2.0); 6.9641 (2.6); 6.8030 (1.0); 6.7981 (1.0); 6.7822 (0.9); 6.7781 (0.9); 5.1263 (0.7); 5.1079 (1.0); 5.0895 (0.7); 3.6584 (16.0); 3.3715 (17.3); 3.3659 (24.3); 3.3634 (24.2); 3.3617 (24.2); 2.8917 (2.2); 2.7337 (2.0); 2.5142 (4.3); 2.5099 (8.9); 2.5054 (11.9); 2.5009 (8.6); 2.4965 (4.2); 1.4519 (5.0); 1.4344 (5.0)
I-503: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5659 (3.1); 7.3904 (0.8); 7.3627 (5.0); 7.3562 (3.9); 7.3510 (3.3); 7.3281 (0.6); 7.3228 (0.6); 7.3051 (1.5); 7.2983 (2.8); 7.2791 (2.6); 7.2527 (1.8); 6.9645 (2.2); 6.9574 (3.6); 6.9303 (3.5); 6.8971 (2.9); 6.8912 (3.5); 6.8849 (2.1); 6.8750 (1.4); 6.8550 (0.8); 6.0437 (0.6); 6.0333 (0.7); 6.0210 (0.7); 6.0106 (0.6); 5.8886 (0.6); 5.8782 (0.7); 5.8659 (0.7); 5.8555 (0.6); 4.1321 (0.4); 4.1215 (0.4); 4.1107 (0.4); 4.0999 (0.5); 4.0932 (0.4); 4.0714 (0.3); 4.0440 (0.4); 4.0334 (0.4); 4.0226 (0.4); 4.0121 (0.4); 3.9071 (0.4); 3.8863 (0.6); 3.8645 (0.4); 3.8587 (0.4); 3.8337 (0.6); 3.8124 (0.7); 3.7897 (0.4); 3.7835 (0.4); 3.7615 (0.5); 3.7407 (0.3); 2.5980 (0.4); 2.5751 (15.8); 2.5617 (1.1); 2.3797 (0.5); 2.2629 (16.0); 2.0295 (4.0); 1.9531 (0.4); 1.9361 (0.7); 1.9250 (0.8); 1.9083 (1.4); 1.8915 (0.8); 1.8804 (0.8); 1.8634 (0.4); 1.0116 (0.9); 0.9963 (2.4); 0.9896 (2.6); 0.9749 (1.5); 0.9681 (2.6); 0.9615 (2.2); 0.9471 (1.0); 0.7379 (1.2); 0.7227 (3.0); 0.7171 (2.8); 0.7065 (2.6); 0.7007 (3.0); 0.6845 (0.8); 0.0358 (2.0)
I-504: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 8.9788 (1.7); 8.9584 (1.7); 7.9601 (1.8); 7.7140 (6.1); 7.6761 (2.1); 7.6563 (2.3); 7.4013 (2.1); 7.3808 (2.5); 7.3113 (4.8); 7.1625 (0.5); 7.1492 (1.4); 7.1420 (3.1); 7.1287 (4.7); 7.1184 (2.0); 7.1133 (1.7); 7.1038 (0.6); 6.9520 (1.3); 6.9332 (2.2); 6.9153 (1.5); 6.9068 (1.3); 6.8960 (1.3); 6.8843 (0.9); 6.8785 (0.7); 5.4782 (0.9); 5.4599 (1.3); 5.4420 (0.9); 3.7363 (16.0); 3.3400 (90.0); 2.8973 (10.7); 2.7385 (9.8); 2.5741 (15.0); 2.5131 (7.2); 2.5092 (9.5); 2.5052 (7.4); 2.0746 (0.6); 2.0661 (0.7); 2.0540 (1.2); 2.0410 (0.8); 2.0331 (0.7); 2.0197 (0.4); 1.6137 (6.1); 1.5967 (6.3); 1.0373 (0.7); 1.0264 (2.2); 1.0212 (2.4); 1.0108 (1.4); 1.0054 (2.3); 1.0003 (2.4); 0.9903 (1.0); 0.7916 (0.9); 0.7771 (2.7); 0.7686 (2.6); 0.7641 (2.7); 0.7527 (0.9)
I-505: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.2349 (1.4); 9.2192 (2.8); 9.2036 (1.4); 8.3161 (0.3); 8.0260 (16.0); 8.0169 (0.3); 7.7608 (1.2); 7.7412 (3.5); 7.7217 (3.5); 7.7051 (6.0); 7.6861 (1.8); 7.6774 (2.6); 7.6740 (2.6); 7.6248 (4.7); 7.5534 (2.6); 7.5334 (2.1); 7.4596 (2.0); 7.4390 (4.2); 7.4185 (2.6); 7.2904 (3.0); 7.2866 (2.9); 7.2697 (2.3); 7.2656 (2.3); 4.1990 (1.3); 4.1834 (1.4); 4.1643 (2.9); 4.1484 (2.8); 4.1294 (1.5); 4.1135 (1.4); 3.9030 (3.7); 3.3300 (213.6); 2.6805 (0.4); 2.6761 (0.9); 2.6715 (1.3); 2.6669 (0.9); 2.6625 (0.4); 2.5250 (4.0); 2.5202 (6.2); 2.5116 (80.6); 2.5071 (163.5); 2.5026 (213.5); 2.4980 (152.7); 2.4935 (73.6); 2.3384 (0.4); 2.3339 (0.9); 2.3294 (1.3); 2.3248 (1.0); 2.3203 (0.4); −0.0002 (1.0)
I-506: ^{1}H-NMR(499.9 MHz, CDCl3):
δ =7.5518 (0.3); 7.5356 (2.1); 7.5238 (5.2); 7.3969 (2.5); 7.3413 (0.8); 7.3356 (1.2); 7.3306 (1.2); 7.3236 (1.0); 7.2586 (4.2); 7.0119 (2.1); 6.9966 (2.5); 6.9514 (3.0); 6.8406 (1.6); 6.8254 (1.4); 6.1293 (0.6); 6.1185 (1.1); 6.1077 (0.6); 5.2955 (1.5); 3.7717 (1.2); 3.7588 (3.2); 3.7458 (3.4); 3.7327 (1.3); 2.9355 (2.2); 2.9219 (4.2); 2.9083 (2.0); 2.3853 (16.0); 2.2872 (14.4); 2.2696 (0.6); 2.2426 (13.3); 2.1584 (0.5); 1.5656 (9.3); −0.0002 (2.9)
I-507: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.5670 (7.6); 8.0400 (0.7); 8.0206 (1.2); 8.0007 (0.7); 7.8052 (0.7); 7.7374 (2.9); 7.7211 (0.6); 7.6937 (2.0); 7.6726 (5.5); 7.6513 (0.5); 7.5500 (2.6); 7.5331 (0.4); 7.5157 (1.1); 7.5062 (1.7); 7.4989 (1.1); 7.4919 (0.7); 7.4855 (1.2); 7.4774 (0.7); 7.4158 (0.4); 7.3846 (2.7); 7.3579 (3.0); 7.3035 (17.2); 7.0835 (2.8); 6.9927 (1.5); 6.9656 (1.3); 4.3313 (1.2); 4.3116 (1.2); 4.2832 (2.5); 4.2633 (2.4); 4.2350 (1.2); 4.2150 (1.2); 4.1981 (0.7); 4.1743 (1.9); 4.1505 (1.9); 4.1267 (0.7); 4.0874 (16.0); 3.9228 (0.5);

TABLE 2-continued

3.9088 (0.8); 2.9986 (1.1); 2.9251 (1.0); 2.6573 (1.3); 2.6347 (0.8); 2.5285 (8.2); 2.3223 (11.3); 2.0868 (8.6); 1.8682 (0.3); 1.7797 (0.6); 1.7681 (0.7); 1.7439 (0.7); 1.7202 (0.8); 1.4553 (0.6); 1.4345 (0.6); 1.3242 (2.6); 1.3004 (5.3); 1.2829 (6.5); 1.2767 (2.8); 0.0512 (0.4); 0.0404 (15.4); 0.0295 (0.6)

I-508: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.5877 (5.0); 8.5830 (4.9); 8.4556 (4.8); 8.4499 (4.8); 8.2790 (11.1); 7.7476 (1.4); 7.6595 (3.3); 7.6539 (5.3); 7.6485 (3.1); 7.3357 (3.4); 7.3158 (3.8); 7.2599 (19.9); 7.0516 (4.1); 6.9806 (2.2); 6.9605 (2.0); 4.2551 (1.8); 4.2404 (1.8); 4.2190 (3.8); 4.2042 (3.7); 4.1827 (1.9); 4.1680 (1.8); 2.4724 (11.8); 2.3047 (16.0); 2.0042 (0.3); 1.5535 (6.8); −0.0002 (19.3)

I-509: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.8818 (5.6); 7.9452 (0.4); 7.9257 (0.7); 7.9054 (0.4); 7.6876 (1.5); 7.6744 (2.9); 7.6692 (4.5); 7.6658 (3.5); 7.6547 (0.4); 7.6511 (0.4); 7.5432 (1.5); 7.5155 (1.2); 7.4998 (0.4); 7.4871 (3.3); 7.4734 (1.1); 7.4667 (1.1); 7.4557 (2.2); 7.4502 (1.8); 7.4278 (0.7); 7.4219 (0.6); 7.2982 (6.3); 5.3358 (1.1); 4.5093 (0.8); 4.4889 (0.8); 4.4610 (1.8); 4.4405 (1.7); 4.4127 (0.9); 4.3922 (0.9); 4.0953 (0.6); 3.9770 (16.0); 2.4095 (15.3); 2.3940 (0.7); 2.0420 (0.3); 1.5970 (3.9); 0.0366 (4.7)

I-510: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.1034 (0.8); 9.0888 (1.7); 9.0741 (0.9); 7.9619 (1.0); 7.7522 (0.7); 7.7326 (2.0); 7.7129 (1.9); 7.6913 (2.4); 7.6721 (1.2); 7.5939 (2.8); 7.5558 (1.6); 7.5363 (1.3); 7.4697 (2.6); 7.4485 (5.1); 7.4081 (5.6); 7.3869 (3.0); 5.8377 (0.5); 5.8258 (0.8); 5.8116 (0.6); 5.7200 (0.5); 5.7083 (0.8); 5.6935 (0.6); 3.9145 (0.5); 3.8984 (0.9); 3.8821 (0.7); 3.8722 (0.5); 3.8604 (1.1); 3.8458 (1.2); 3.8288 (0.6); 3.8132 (0.6); 3.8007 (0.7); 3.7889 (0.5); 3.3155 (14.5); 2.8997 (6.0); 2.7407 (5.4); 2.5141 (8.3); 2.5099 (11.3); 2.5057 (8.7); 2.4648 (0.5); 2.2543 (16.0)

I-511: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.6420 (0.7); 8.1529 (4.9); 7.8786 (2.0); 7.8716 (2.1); 7.6431 (2.1); 7.6214 (2.4); 7.5813 (2.2); 7.5686 (3.8); 7.4054 (2.2); 7.3917 (0.9); 7.3816 (1.1); 7.3769 (1.0); 7.3692 (0.8); 7.3630 (0.5); 7.2600 (10.8); 7.2442 (1.4); 7.2370 (1.3); 7.2224 (1.2); 7.2153 (1.2); 4.4585 (0.9); 4.4434 (0.9); 4.4262 (2.0); 4.4112 (1.9); 4.3939 (1.0); 4.3789 (1.0); 3.7548 (16.0); 2.9551 (1.8); 2.8827 (1.8); 2.7191 (14.5); 2.6861 (0.5); 1.5640 (1.3); 1.2613 (0.4); 1.2446 (0.3); 0.0078 (0.5); −0.0002 (13.4)

I-512: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.3361 (2.0); 9.3206 (4.4); 9.3044 (2.6); 8.8534 (13.9); 8.7175 (7.4); 8.7051 (8.0); 8.1502 (16.0); 8.0531 (1.7); 7.9607 (2.4); 7.8742 (7.7); 7.7199 (7.1); 7.7076 (7.2); 7.5408 (4.8); 7.5197 (8.7); 7.5038 (3.4); 7.4801 (2.7); 7.4574 (6.3); 7.4365 (3.9); 7.4148 (1.6); 7.3946 (2.5); 7.3900 (2.4); 7.3752 (2.8); 7.3577 (1.6); 7.3175 (2.6); 7.3008 (3.3); 7.2803 (1.8); 7.2412 (0.4); 7.2210 (0.5); 4.3369 (1.7); 4.3206 (2.0); 4.3026 (4.2); 4.2872 (4.2); 4.2689 (2.6); 4.2534 (2.4); 4.2264 (0.4); 3.3585 (0.6); 3.3239 (332.2); 2.8986 (14.0); 2.7394 (12.9); 2.5092 (37.8); 2.5054 (29.5); 1.2442 (0.8)

I-513: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 8.9371 (1.7); 8.9168 (1.8); 7.9600 (1.2); 7.7201 (6.2); 7.4109 (3.4); 7.2784 (2.5); 7.2523 (5.4); 7.1480 (0.6); 7.1279 (2.1); 7.1170 (1.5); 7.1103 (4.2); 7.1000 (1.5); 7.0961 (1.5); 7.0801 (0.6); 6.9535 (1.9); 6.9321 (1.7); 6.9151 (0.8); 6.9073 (0.8); 6.8984 (1.4); 6.8929 (1.3); 6.8790 (0.8); 5.4316 (0.9); 5.4135 (1.3); 5.3958 (1.0); 3.7010 (16.0); 3.3383 (145.5); 2.8976 (7.0); 2.7384 (6.5); 2.5753 (15.4); 2.5130 (12.6); 2.5091 (16.6); 2.5051 (12.8); 2.2148 (13.2); 2.0630 (0.6); 2.0550 (0.8); 2.0424 (1.2); 2.0296 (0.8); 2.0217 (0.7); 2.0087 (0.4); 1.6036 (6.1); 1.5867 (6.2); 1.0317 (0.7); 1.0208 (2.2); 1.0156 (2.4); 0.9998 (2.3); 0.9946 (2.4); 0.9847 (1.0); 0.7814 (0.9); 0.7668 (2.8); 0.7584 (2.7); 0.7539 (2.8); 0.7425 (0.9)

I-514: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.1590 (1.8); 9.1434 (3.7); 9.1279 (1.8); 8.0572 (16.0); 7.7653 (1.4); 7.7454 (4.3); 7.7258 (4.3); 7.7098 (5.3); 7.6903 (2.2); 7.6496 (6.0); 7.5764 (3.5); 7.5612 (7.4); 7.5404 (11.7); 7.5016 (11.9); 7.4802 (5.9); 4.1539 (1.8); 4.1384 (1.8); 4.1190 (3.9); 4.1034 (3.8); 4.0843 (2.0); 4.0683 (1.9); 3.3413 (142.0); 3.3360 (122.7); 3.3336 (136.7); 2.6725 (0.6); 2.5427 (3.4); 2.5077 (76.8); 2.5034 (103.7); 2.4992 (78.7); 2.3305 (0.6); 2.2151 (0.6); 0.0000 (2.3)

I-515: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.4850 (10.0); 8.2617 (16.0); 8.1042 (0.9); 8.0848 (1.8); 8.0658 (1.0); 7.7032 (0.4); 7.6765 (2.8); 7.6569 (7.4); 7.5461 (3.8); 7.5162 (1.6); 7.5062 (2.2); 7.4986 (1.7); 7.4859 (1.5); 7.4782 (0.9); 7.3955 (3.5); 7.3690 (4.0); 7.3041 (16.8); 7.0865 (4.0); 6.9982 (2.2); 6.9724 (1.9); 4.3470 (1.7); 4.3272 (1.6); 4.2989 (3.6); 4.2792 (3.5); 4.2509 (1.8); 4.2311 (1.7); 2.5362 (11.7); 2.3232 (16.0); 1.6962 (0.3); 1.6708 (0.3); 1.2969 (0.4); 0.0528 (0.6); 0.0421 (14.1); 0.0313 (0.4)

I-516: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 7.6369 (3.0); 7.5640 (0.4); 7.5480 (2.1); 7.5358 (5.3); 7.5269 (0.6); 7.4410 (3.2); 7.4348 (2.8); 7.4248 (3.2); 7.3607 (0.9); 7.3554 (1.4); 7.3502 (1.2); 7.3398 (2.7); 7.3227 (1.5); 7.2603 (4.0); 6.7089 (0.7); 6.6965 (1.4); 6.6841 (0.7); 4.3852 (1.0); 4.3724 (1.0); 4.3562 (2.2); 4.3434 (2.1); 4.3272 (1.1); 4.3144 (1.0); 2.3239 (16.0); 1.5693 (6.9); −0.0002 (3.8)

I-517: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.3344 (10.6); 7.6530 (1.7); 7.6296 (7.1); 7.6065 (2.8); 7.5803 (0.8); 7.3041 (8.2); 7.2953 (3.6); 7.2740 (3.2); 7.2681 (3.4); 7.2497 (3.4); 7.2443 (3.6); 7.2359 (1.0); 7.0850 (0.7); 7.0791 (0.7); 7.0613 (1.9); 7.0552 (2.0); 7.0446 (1.7); 7.0381 (2.9); 7.0309 (1.8); 7.0205 (2.5); 7.0152 (2.4); 6.9966 (1.1); 6.9912 (0.9); 6.9706 (2.6); 6.9475 (1.3); 6.9412 (1.0); 5.3411 (0.5); 4.1986 (1.1); 4.1748 (3.5); 4.1510 (3.6); 4.1272 (1.2); 3.9956 (0.5); 3.9808 (0.6); 3.9735 (0.5); 3.9587 (0.7); 3.9497 (1.6); 3.9349 (1.7); 3.9278 (1.7); 3.9129 (1.7); 3.9057 (1.6); 3.8894 (1.9); 3.8845 (1.8); 3.8684 (1.6); 3.8600 (0.6); 3.8436 (0.6); 3.8386 (0.7); 3.8226 (0.6); 3.2700 (1.0); 3.2511 (1.3); 3.2338 (0.9); 2.7853 (0.4); 2.7485 (1.0); 2.7282 (2.4); 2.7074 (2.1); 2.6865 (0.9); 2.0875 (16.0); 2.0604 (0.5); 2.0490 (0.9); 2.0293 (1.0); 2.0196 (1.0); 1.9999 (1.0); 1.9902 (0.8); 1.9712 (0.8); 1.9552 (0.9); 1.9379 (1.0); 1.9106 (0.8); 1.8892 (0.4); 1.8329 (0.6); 1.8035 (2.0); 1.7801 (2.1); 1.7659 (1.6); 1.7501 (1.6); 1.7294 (0.5); 1.6378 (7.4); 1.3256 (4.3); 1.3018 (8.7); 1.2780 (4.1); 0.0427 (6.1)

I-518: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.5192 (4.6); 8.5132 (4.5); 8.4184 (4.1); 8.4130 (4.0); 8.2831 (11.8); 7.7769 (0.9); 7.7632 (1.4); 7.4442 (1.7); 7.4384 (2.9); 7.4326 (1.6); 7.4227 (1.7); 7.4168 (2.9); 7.4110 (1.5); 7.3381 (3.5); 7.3182 (3.9); 7.2597 (27.8); 7.0527 (4.0); 6.9956 (0.3); 6.9820 (2.2); 6.9621 (1.9); 5.2983 (0.6); 4.3054 (0.3); 4.2575 (1.9); 4.2427 (1.9); 4.2212 (4.0); 4.2064 (3.8); 4.1848 (2.0); 4.1701 (1.9); 2.4732 (11.7); 2.3048 (16.0); 1.5462 (19.6); 1.4222 (0.4); 1.3363 (0.4); 1.2847 (0.7); 1.2554 (5.8); 0.8804 (0.6); 0.8534 (0.5); 0.8450 (0.5); 0.8349 (0.5); −0.0002 (27.6); −0.0083 (1.2)

TABLE 2-continued

I-519: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.3088 (12.3); 7.9976 (0.9); 7.9791 (1.6); 7.9597 (0.9); 7.7130 (0.4); 7.6833 (4.0); 7.6777 (3.2); 7.6689 (6.8); 7.6661 (7.9); 7.5463 (3.6); 7.4943 (0.5); 7.4801 (1.6); 7.4670 (2.3); 7.4596 (4.8); 7.4508 (1.9); 7.4413 (1.4); 7.4315 (5.1); 7.4059 (4.5); 7.3303 (2.8); 7.2987 (22.7); 5.3380 (3.7); 4.3104 (2.0); 4.2903 (1.9); 4.2618 (4.2); 4.2416 (4.0); 4.2130 (2.2); 4.1929 (2.0); 3.1635 (9.2); 2.5503 (6.9); 2.5436 (12.3); 2.5362 (7.0); 2.2095 (0.8); 1.5898 (16.0); 1.2921 (0.6); 0.1075 (5.5); 0.0483 (0.9); 0.0374 (21.4); 0.0266 (0.9)
I-520: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.1637 (12.7); 7.9439 (2.1); 7.8363 (1.6); 7.5641 (5.1); 7.4208 (0.9); 7.4043 (1.7); 7.3997 (2.3); 7.3878 (3.3); 7.3841 (3.5); 7.3668 (7.4); 7.3432 (4.0); 7.3391 (3.8); 7.3220 (1.5); 7.3180 (1.6); 7.1896 (19.4); 7.0342 (1.2); 7.0285 (1.3); 7.0134 (2.1); 7.0098 (2.3); 6.9927 (1.1); 6.9881 (1.1); 6.9434 (2.2); 6.9383 (2.8); 6.9194 (5.3); 6.9168 (4.7); 6.8988 (2.0); 6.8930 (2.8); 6.8874 (1.3); 4.3607 (2.1); 4.3453 (2.0); 4.3247 (4.4); 4.3093 (4.3); 4.2886 (2.2); 4.2733 (2.1); 2.8831 (16.0); 2.8104 (14.6); 1.4791 (14.4)
I-521: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.2349 (16.0); 8.0138 (1.9); 7.9091 (2.2); 7.5303 (6.2); 7.5090 (7.3); 7.4769 (7.4); 7.4679 (3.9); 7.4516 (4.0); 7.4310 (2.1); 7.2594 (36.1); 7.2409 (3.5); 7.2365 (3.3); 7.1041 (1.7); 7.0984 (1.9); 7.0833 (3.2); 7.0780 (3.4); 7.0626 (1.6); 7.0573 (1.6); 7.0157 (3.1); 7.0110 (4.0); 6.9905 (7.2); 6.9853 (4.0); 6.9682 (2.6); 6.9626 (3.8); 6.9571 (1.8); 4.4336 (2.9); 4.4184 (2.9); 4.3977 (6.2); 4.3823 (6.0); 4.3616 (3.2); 4.3462 (3.0); 2.9535 (13.6); 2.8807 (12.8); 1.5463 (24.8); −0.0002 (2.6)
I-522: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.6616 (1.2); 7.6354 (7.7); 7.6321 (7.7); 7.6298 (7.8); 7.5973 (1.3); 7.5710 (5.7); 7.5502 (16.0); 7.5332 (1.5); 7.5292 (1.5); 7.5158 (1.8); 7.5114 (2.9); 7.4989 (0.7); 7.4876 (0.5); 7.4713 (0.4); 7.4344 (12.7); 7.4063 (10.5); 7.3765 (0.7); 7.3703 (0.6); 7.3592 (2.8); 7.3500 (5.0); 7.3429 (3.5); 7.3364 (2.0); 7.3281 (3.2); 7.3212 (2.0); 7.2987 (16.9); 7.2926 (6.2); 7.2864 (5.6); 7.2644 (3.8); 7.2583 (3.7); 7.0238 (1.7); 7.0035 (3.1); 6.9837 (1.7); 6.7111 (1.5); 5.3353 (1.3); 4.4043 (3.4); 4.3835 (3.3); 4.3557 (7.2); 4.3349 (6.9); 4.3070 (3.7); 4.2863 (3.5); 3.4540 (0.6); 3.4041 (1.1); 3.3540 (0.6); 2.9945 (0.6); 2.9828 (1.3); 2.9726 (2.1); 2.9603 (2.9); 2.9515 (3.0); 2.9390 (2.2); 2.9289 (1.4); 2.9167 (0.6); 2.2028 (5.6); 2.0100 (1.2); 1.6087 (4.9); 1.2919 (2.0); 0.9164 (0.5); 0.8981 (1.9); 0.8741 (7.5); 0.8568 (7.6); 0.8512 (6.3); 0.8334 (2.5); 0.8040 (0.4); 0.7810 (0.4); 0.7586 (0.4); 0.7461 (0.4); 0.7051 (2.7); 0.6890 (6.8); 0.6814 (8.0); 0.6767 (6.8); 0.6528 (1.7); 0.1077 (3.3); 0.0470 (0.5); 0.0362 (14.4); 0.0252 (0.6)
I-523: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.8840 (5.4); 7.9265 (0.4); 7.9069 (0.8); 7.8867 (0.4); 7.6685 (3.1); 7.6588 (3.8); 7.5434 (1.7); 7.5092 (1.3); 7.4808 (3.6); 7.4682 (0.9); 7.4495 (2.1); 7.4444 (1.8); 7.4214 (0.7); 7.4156 (0.6); 7.2984 (2.2); 4.5078 (0.9); 4.4872 (0.9); 4.4596 (1.9); 4.4391 (1.8); 4.4114 (0.9); 4.3909 (0.9); 4.0954 (16.0); 2.3932 (14.8); 2.0370 (1.2); 1.6173 (0.9); 0.0353 (1.7)
I-524: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 8.8307 (0.7); 8.8166 (1.4); 8.8025 (0.8); 7.7599 (0.5); 7.7402 (1.7); 7.7206 (1.6); 7.7011 (2.0); 7.6813 (1.0); 7.6533 (2.3); 7.5903 (1.3); 7.5701 (1.1); 7.0381 (2.1); 7.0175 (2.3); 6.5132 (2.5); 6.5075 (2.6); 6.2638 (1.4); 6.2579 (1.4); 6.2432 (1.4); 6.2373 (1.3); 3.7666 (14.2); 3.7260 (0.4); 3.6790 (16.0); 3.5833 (1.7); 3.5657 (3.7); 3.5482 (2.0); 3.5203 (0.9); 3.5038 (2.1); 3.4885 (2.2); 3.4719 (1.0); 3.3156 (15.7); 3.2539 (17.1); 3.2309 (0.4); 3.2157 (0.4); 2.9598 (1.5); 2.9424 (2.9); 2.9248 (1.5); 2.8998 (1.8); 2.7494 (1.5); 2.7409 (2.2); 2.7323 (3.1); 2.7150 (1.5); 2.5143 (7.8); 2.5100 (10.4); 2.5057 (8.0)
I-525: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.7854 (0.6); 8.1731 (1.9); 8.1327 (5.4); 7.7060 (1.0); 7.6863 (1.1); 7.5883 (3.4); 7.5754 (3.3); 7.4322 (2.0); 7.3687 (0.7); 7.3625 (0.8); 7.3558 (1.1); 7.3510 (1.0); 7.3462 (0.7); 7.3400 (0.5); 7.2775 (1.8); 7.2600 (11.8); 6.6482 (1.1); 6.5086 (2.3); 6.3691 (1.1); 4.0124 (1.1); 3.9980 (2.4); 3.9828 (2.4); 3.9683 (1.1); 3.1975 (1.5); 3.1827 (2.2); 3.1679 (1.4); 2.7146 (16.0); 1.5679 (2.1); 0.0078 (0.6); -0.0002 (13.5); −0.0083 (0.5)
I-526: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.3373 (1.5); 9.3213 (3.6); 9.3055 (2.0); 8.8533 (11.6); 8.7172 (6.2); 8.7048 (6.7); 8.1542 (13.8); 8.0532 (1.5); 7.9605 (2.6); 7.7660 (5.4); 7.7617 (5.9); 7.7203 (5.9); 7.7080 (6.0); 7.6191 (4.9); 7.5978 (5.8); 7.5838 (1.0); 7.5206 (0.8); 7.4996 (1.8); 7.4783 (2.1); 7.4590 (1.3); 7.4088 (0.9); 7.3924 (1.9); 7.3877 (1.9); 7.3730 (2.2); 7.3561 (1.2); 7.3326 (3.3); 7.3278 (3.5); 7.3121 (4.5); 7.3063 (4.2); 7.3004 (3.3); 7.2797 (1.6); 7.2403 (0.3); 7.2208 (0.4); 4.3417 (1.5); 4.3260 (1.6); 4.3076 (3.4); 4.2919 (3.4); 4.2735 (2.1); 4.2579 (1.9); 4.2277 (0.3); 3.3234 (260.8); 2.8988 (16.0); 2.7396 (14.6); 2.5136 (19.7); 2.5094 (27.2); 2.5052 (21.2)
I-527: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.3357 (2.7); 8.2516 (6.1); 8.2487 (5.0); 7.6672 (0.3); 7.6451 (3.6); 7.6329 (6.2); 7.5445 (4.0); 7.4869 (2.0); 7.4841 (2.0); 7.4741 (1.5); 7.4249 (4.4); 7.4051 (5.5); 7.2588 (9.1); 7.2561 (7.6); 7.2359 (5.3); 7.2166 (4.6); 5.1046 (3.7); 5.0875 (7.5); 5.0561 (7.5); 5.0390 (4.0); 2.3584 (16.0); 2.0882 (1.0); 2.0001 (1.4); 1.6984 (0.6); 1.2562 (0.6); −0.0002 (9.5); −0.0029 (8.0)
I-528: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.0029 (1.8); 8.9823 (1.9); 7.9600 (2.2); 7.7118 (6.3); 7.6694 (2.8); 7.6482 (3.1); 7.5275 (3.5); 7.5236 (3.5); 7.3560 (5.0); 7.1586 (0.6); 7.1382 (2.2); 7.1281 (1.5); 7.1209 (4.3); 7.1114 (1.6); 7.1073 (1.6); 7.0914 (0.6); 6.9135 (2.6); 6.9094 (2.5); 6.9044 (1.8); 6.8927 (2.3); 6.8880 (2.4); 5.4569 (0.9); 5.4387 (1.3); 5.4206 (1.0); 3.7302 (16.0); 3.3390 (98.6); 2.8974 (12.7); 2.7384 (11.7); 2.5750 (15.5); 2.5092 (11.4); 2.5053 (8.8); 2.0697 (0.6); 2.0615 (0.7); 2.0490 (1.3); 2.0363 (0.8); 2.0278 (0.7); 2.0150 (0.4); 1.5980 (6.1); 1.5809 (6.2); 1.0360 (0.7); 1.0251 (2.3); 1.0201 (2.5); 1.0041 (2.4); 0.9991 (2.5); 0.9892 (1.0); 0.7912 (0.9); 0.7772 (2.8); 0.7684 (2.8); 0.7641 (2.8); 0.7528 (0.9)
I-529: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.3209 (16.0); 7.9794 (1.7); 7.6817 (6.8); 7.6644 (9.2); 7.6506 (0.6); 7.5199 (4.7); 7.4999 (3.8); 7.4862 (2.1); 7.4779 (5.4); 7.4737 (5.8); 7.4654 (2.0); 7.4570 (1.2); 7.3827 (1.1); 7.3581 (3.0); 7.3336 (2.6); 7.3047 (13.7); 7.2885 (4.0); 7.2634 (2.1); 7.2239 (2.0); 7.1988 (2.9); 7.1736 (1.2); 5.3430 (0.4); 4.3324 (2.7); 4.3125 (2.6); 4.2839 (5.6); 4.2640 (5.4); 4.2354 (2.8); 4.2155 (2.7); 4.1762 (0.4); 4.1523 (0.4); 2.5729 (8.3); 2.5656 (15.3); 2.5580 (8.4); 2.2147 (0.5); 2.0888 (1.8); 1.6077 (12.6); 1.3268 (0.6); 1.3029 (1.4); 1.2791 (0.5); 0.0546 (0.5); 0.0438 (13.0); 0.0329 (0.4)
I-530: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.2281 (12.8); 8.0140 (2.2); 7.7901 (1.8); 7.6333 (5.7); 7.5188 (0.3); 7.4713 (3.3); 7.4501 (7.4); 7.4201 (4.3); 7.4164 (4.1); 7.3988 (1.9); 7.3952 (1.8); 7.2593 (20.9); 7.2297 (3.5); 7.2197 (2.8);

TABLE 2-continued

7.2124 (5.8); 7.1979 (4.5); 7.1902 (1.9); 7.1751 (0.5); 7.1501 (1.2); 7.1460 (1.3); 7.1369 (2.4); 7.1299 (2.2); 7.1221 (1.5); 7.1149 (1.2); 4.4466 (2.2); 4.4311 (2.2); 4.4111 (4.8); 4.3956 (4.7); 4.3756 (2.5); 4.3601 (2.4); 2.9532 (16.0); 2.8804 (15.0); 1.5465 (20.9)

I-531: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.2279 (14.6); 8.0134 (2.1); 7.7951 (1.8); 7.5435 (5.1); 7.5223 (6.0); 7.5015 (0.3); 7.4758 (5.6); 7.2677 (3.7); 7.2598 (29.0); 7.2469 (3.1); 7.2420 (3.1); 7.2286 (3.6); 7.2191 (2.8); 7.2109 (6.5); 7.1966 (4.6); 7.1893 (2.2); 7.1744 (0.5); 7.1618 (0.4); 7.1526 (1.3); 7.1484 (1.4); 7.1397 (2.5); 7.1322 (2.3); 7.1239 (1.6); 7.1170 (1.2); 7.1123 (0.9); 7.1080 (0.8); 4.4495 (2.4); 4.4341 (2.4); 4.4141 (5.2); 4.3986 (5.1); 4.3785 (2.7); 4.3630 (2.6); 2.9536 (16.0); 2.8803 (14.6); 1.5510 (17.0); 1.2556 (0.5); −0.0002 (2.2)

I-532: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.2978 (1.1); 9.2826 (2.4); 9.2669 (1.4); 8.8551 (8.2); 8.7192 (4.2); 8.7069 (4.5); 8.1910 (8.9); 8.0839 (0.9); 7.9606 (2.8); 7.7262 (4.0); 7.7139 (4.1); 7.6132 (4.1); 7.5922 (7.3); 7.5363 (7.0); 7.5153 (4.8); 7.5012 (2.1); 7.4776 (1.7); 7.4562 (1.0); 7.4080 (0.7); 7.3909 (1.4); 7.3868 (1.4); 7.3721 (1.6); 7.3539 (1.0); 7.3197 (1.6); 7.3029 (1.9); 7.2827 (1.0); 4.1906 (1.1); 4.1753 (1.2); 4.1562 (2.4); 4.1408 (2.5); 4.1219 (1.5); 4.1061 (1.4); 3.3258 (158.2); 2.8987 (16.0); 2.7395 (15.0); 2.5095 (20.3); 1.2448 (0.4)

I-533: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.4619 (1.7); 7.4341 (4.0); 7.3769 (1.1); 7.3497 (2.3); 7.3222 (1.4); 7.2992 (11.9); 7.2433 (1.4); 7.2363 (1.2); 7.2154 (1.0); 7.2086 (1.0); 6.8639 (0.9); 6.8560 (1.1); 6.8359 (0.8); 6.8281 (0.9); 6.8074 (0.9); 6.8022 (1.1); 6.7804 (0.7); 6.7756 (1.2); 6.7616 (1.7); 6.7540 (2.2); 6.7465 (1.0); 6.5795 (0.4); 6.5592 (0.7); 6.5388 (0.4); 6.0854 (0.4); 6.0753 (0.4); 6.0627 (0.4); 6.0524 (0.4); 5.9306 (0.4); 5.9202 (0.4); 5.9080 (0.4); 5.8975 (0.4); 5.3379 (1.5); 4.1928 (0.5); 4.1692 (0.8); 4.1449 (0.8); 4.1216 (0.4); 4.1162 (0.4); 4.1052 (0.3); 4.1002 (0.4); 4.0943 (0.4); 3.9415 (0.4); 3.9215 (0.3); 3.8889 (0.4); 3.8687 (0.5); 3.8328 (16.0); 2.4229 (14.3); 2.0819 (3.6); 1.5991 (11.5); 1.3204 (0.8); 1.2965 (1.7); 1.2727 (0.7); 0.9728 (0.5); 0.1073 (4.4); 0.0486 (0.5); 0.0377 (11.6); 0.0271 (0.4)

I-534: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 7.5594 (0.3); 7.5383 (2.4); 7.5331 (2.0); 7.5264 (4.0); 7.5245 (4.3); 7.4822 (2.8); 7.4608 (4.0); 7.4145 (2.2); 7.3767 (4.0); 7.3553 (2.9); 7.3441 (1.0); 7.3410 (1.2); 7.3360 (1.2); 7.3282 (0.9); 7.3218 (0.6); 7.2602 (5.7); 6.6676 (0.6); 6.6522 (1.1); 6.6372 (0.6); 5.2974 (1.0); 4.1829 (1.0); 4.1671 (1.0); 4.1471 (2.1); 4.1313 (2.0); 4.1112 (1.0); 4.0954 (1.0); 2.3091 (16.0); 1.5652 (4.4); −0.0002 (5.2)

I-535: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.2387 (16.0); 8.0127 (1.9); 7.7783 (1.3); 7.7653 (2.2); 7.5406 (5.7); 7.5193 (7.0); 7.4935 (6.2); 7.4909 (6.4); 7.2972 (4.0); 7.2922 (4.3); 7.2847 (4.1); 7.2765 (4.3); 7.2705 (5.1); 7.2595 (36.2); 7.2064 (5.9); 7.2043 (5.8); 6.9668 (2.3); 6.9614 (4.0); 6.9560 (2.1); 6.9451 (2.4); 6.9396 (4.0); 6.9342 (2.0); 4.4285 (2.7); 4.4132 (2.7); 4.3922 (5.7); 4.3769 (5.5); 4.3559 (2.9); 4.3405 (2.8); 2.9536 (13.4); 2.8803 (12.5); 1.5456 (25.2); −0.0002 (2.7)

I-536: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 8.9333 (1.6); 8.9188 (3.4); 8.9040 (1.8); 7.9612 (2.4); 7.7050 (13.8); 7.6504 (5.9); 7.5609 (5.4); 7.5398 (7.0); 7.3942 (3.9); 7.3891 (3.9); 7.3732 (3.2); 7.3681 (3.2); 7.3342 (3.0); 7.3145 (6.4); 7.2948 (3.8); 6.9909 (3.8); 6.9714 (3.5); 6.9514 (2.9); 6.9472 (3.5); 6.9313 (2.4); 6.9272 (3.4); 6.9018 (4.8); 6.8974 (6.3); 6.0526 (1.1); 6.0399 (2.3); 6.0272 (1.2); 5.9370 (1.1); 5.9245 (2.2); 5.9116 (1.2); 3.8783 (2.0); 3.8645 (3.7); 3.8505 (2.3); 3.8208 (1.8); 3.8075 (3.5); 3.7932 (2.2); 3.3144 (181.7); 2.8993 (16.0); 2.7405 (14.3); 2.5927 (34.7); 2.5494 (0.5); 2.5138 (18.3); 2.5094 (25.2); 2.5050 (19.0); 2.4310 (0.4); 1.9950 (0.7); 1.9820 (1.4); 1.9736 (1.6); 1.9613 (3.0); 1.9489 (1.8); 1.9404 (1.7); 1.9278 (0.9); 1.0008 (1.7); 0.9899 (5.0); 0.9845 (5.5); 0.9741 (2.8); 0.9689 (5.4); 0.9636 (5.4); 0.9533 (2.2); 0.9366 (0.4); 0.7059 (2.0); 0.6952 (5.8); 0.6904 (6.0); 0.6830 (5.7); 0.6780 (6.4); 0.6667 (2.0)

I-537: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ =9.2145 (1.1); 9.1996 (2.2); 9.1838 (1.2); 8.6068 (4.3); 8.5742 (2.4); 8.5622 (2.5); 8.0196 (6.4); 7.9606 (3.4); 7.8708 (4.3); 7.7953 (0.8); 7.7756 (2.3); 7.7559 (2.1); 7.7308 (3.0); 7.7116 (1.6); 7.6915 (3.7); 7.6232 (2.2); 7.6039 (1.8); 7.5252 (2.3); 7.5038 (3.5); 7.4940 (3.1); 7.4815 (2.9); 7.4101 (2.6); 7.3889 (1.9); 4.3331 (0.9); 4.3173 (1.1); 4.2990 (2.1); 4.2833 (2.1); 4.2647 (1.2); 4.2493 (1.1); 3.3221 (116.4); 2.8978 (16.0); 2.7386 (15.2); 2.5118 (16.7); 2.5082 (17.9); 2.3393 (15.2); 1.2448 (0.3)

I-538: ^{1}H-NMR(400.0 MHz, CD3CN):
δ = 8.0071 (16.0); 7.8600 (1.1); 7.7436 (5.4); 7.7393 (5.4); 7.7306 (3.8); 7.7109 (4.6); 7.7031 (4.9); 7.6834 (1.4); 7.5939 (4.7); 7.5449 (2.6); 7.5239 (8.6); 7.5014 (6.6); 7.4967 (5.6); 7.4803 (1.6); 7.4754 (1.6); 4.2095 (2.8); 4.1931 (2.8); 4.1761 (5.9); 4.1597 (5.8); 4.1427 (3.0); 4.1264 (2.9); 2.2793 (86.3); 2.2771 (89.0); 2.2691 (109.4); 2.2580 (201.4); 2.1372 (0.4); 1.9943 (4.5); 1.9881 (3.9); 1.9823 (22.0); 1.9762 (40.2); 1.9700 (54.1); 1.9638 (37.0); 1.9576 (19.0); 1.7984 (0.3)

I-539: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 10.2628 (1.6); 10.2431 (1.6); 8.4329 (14.0); 8.2334 (4.5); 8.2052 (4.8); 7.8589 (2.5); 7.8549 (2.2); 7.8503 (1.8); 7.8343 (3.4); 7.8276 (3.1); 7.7971 (4.1); 7.7346 (6.5); 7.7314 (5.9); 7.7224 (4.0); 7.7147 (5.9); 7.6882 (0.9); 7.6754 (0.6); 7.6640 (2.2); 7.6559 (2.3); 7.6445 (2.2); 7.6385 (1.7); 7.6327 (1.1); 7.6250 (0.9); 7.6130 (0.8); 7.6073 (1.0); 7.5900 (2.6); 7.5841 (2.3); 7.5655 (4.8); 7.5612 (4.8); 7.5579 (3.8); 7.5430 (2.4); 7.5376 (3.0); 7.5199 (1.2); 7.5146 (0.8); 7.4490 (3.2); 7.4435 (3.2); 7.4330 (6.6); 7.4190 (2.4); 7.4048 (6.0); 7.3051 (10.1); 5.5500 (0.6); 5.5280 (2.3); 5.5065 (3.4); 5.4850 (2.4); 5.4629 (0.6); 4.1773 (0.4); 4.1535 (0.4); 2.0899 (1.9); 1.7617 (16.0); 1.7394 (15.9); 1.6418 (1.7); 1.3271 (0.6); 1.3032 (1.3); 1.2794 (0.6); 0.0544 (0.4); 0.0436 (9.8); 0.0327 (0.4)

I-540: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.2330 (12.8); 8.0134 (2.1); 7.8699 (0.9); 7.8558 (1.6); 7.8423 (0.9); 7.5447 (4.4); 7.5234 (5.2); 7.4856 (4.8); 7.4609 (2.9); 7.4537 (3.2); 7.4470 (3.0); 7.4399 (3.0); 7.2938 (2.8); 7.2890 (2.8); 7.2724 (2.7); 7.2669 (4.9); 7.2597 (29.4); 7.2445 (4.1); 7.2249 (3.5); 7.1739 (2.0); 7.1644 (2.6); 7.1570 (2.0); 7.1515 (1.4); 7.1421 (1.6); 7.1346 (1.1); 4.4307 (2.1); 4.4154 (2.0); 4.3944 (4.3); 4.3791 (4.2); 4.3579 (2.2); 4.3427 (2.1); 2.9536 (16.0); 2.8804 (14.6); 1.5491 (15.0); −0.0002 (2.4)

I-541: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 8.7379 (1.0); 8.7241 (1.9); 8.7100 (1.0); 8.0791 (9.8); 7.9535 (0.4); 7.7539 (0.7); 7.7335 (2.4); 7.7136 (2.5); 7.6968 (3.1); 7.6838 (4.1); 7.5939 (2.0); 7.5740 (1.5); 6.8315 (5.4); 6.6811 (12.0); 6.6622 (0.3); 5.8895 (16.0); 3.5257 (1.2); 3.5089 (3.3); 3.4935 (3.4); 3.4769 (1.4); 3.3483 (22.6); 3.3430 (30.4); 3.3400 (28.2); 2.8919 (2.3); 2.7722 (2.5); 2.7549 (5.1); 2.7337 (3.1); 2.5131 (7.8); 2.5090 (15.9); 2.5046 (21.1); 2.5001 (15.4); 1.2390 (0.6); −0.0002 (1.6)

TABLE 2-continued

I-542: ^{1}H-NMR(300.1 MHz, MeOD):
δ = 8.8316 (2.4); 8.8155 (2.6); 8.2526 (4.2); 8.2314 (3.9); 8.0036 (16.0); 7.8268 (6.8); 7.7990 (8.6); 7.6508 (1.1); 7.6249 (3.2); 7.5986 (3.0); 7.5620 (11.1); 7.5342 (8.8); 7.5216 (4.8); 7.4852 (2.6); 7.4573 (1.8); 5.4981 (0.4); 4.9604 (17.5); 3.8268 (3.2); 3.8040 (7.2); 3.7813 (3.6); 3.3394 (1.8); 3.3340 (3.4); 3.3286 (4.7); 3.3232 (3.3); 3.3179 (1.7); 3.1089 (3.4); 3.0863 (6.8); 3.0635 (3.0); 3.0052 (0.8); 2.8719 (0.7)
I-543: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.0945 (4.9); 8.0166 (0.6); 7.8239 (0.6); 7.5498 (3.3); 7.5324 (1.5); 7.5127 (0.5); 7.2719 (1.3); 7.2686 (1.4); 7.2605 (10.7); 7.2529 (1.7); 7.2496 (1.6); 7.2142 (2.1); 7.2099 (1.9); 7.1903 (0.8); 7.1852 (1.1); 7.1796 (0.5); 7.1152 (0.8); 7.0997 (2.2); 7.0875 (2.3); 7.0684 (2.2); 7.0495 (0.7); 4.0086 (0.9); 3.9927 (2.3); 3.9771 (2.2); 3.9617 (1.0); 3.3158 (1.8); 3.2993 (3.0); 3.2830 (1.6); 2.9543 (4.9); 2.8822 (4.5); 2.7751 (0.6); 2.7216 (0.4); 2.6975 (14.4); 2.5238 (0.6); 2.4628 (16.0); 1.5895 (3.6); 0.0078 (0.5); −0.0002 (13.2); −0.0083 (0.5)
I-544: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 8.9888 (1.3); 8.9744 (2.6); 8.9595 (1.4); 7.9612 (2.5); 7.7481 (10.7); 7.6499 (4.6); 7.5765 (4.2); 7.5555 (5.4); 7.4143 (3.0); 7.4093 (3.0); 7.3934 (2.5); 7.3883 (2.5); 7.1881 (0.9); 7.1676 (3.7); 7.1586 (2.4); 7.1506 (7.2); 7.1419 (2.4); 7.1373 (2.6); 7.1219 (1.0); 7.1172 (0.7); 6.9425 (1.2); 6.9344 (1.2); 6.9262 (2.2); 6.9200 (2.1); 6.9072 (1.4); 6.9024 (1.2); 6.0788 (0.9); 6.0675 (1.2); 6.0527 (1.0); 5.9628 (0.8); 5.9518 (1.2); 5.9483 (1.2); 5.9373 (1.0); 3.9345 (0.4); 3.9142 (0.8); 3.8984 (1.5); 3.8757 (1.3); 3.8609 (1.4); 3.8436 (1.5); 3.8278 (1.6); 3.8144 (1.2); 3.8033 (0.8); 3.7920 (0.4); 3.7784 (0.4); 3.3145 (140.5); 2.8992 (16.0); 2.7403 (14.4); 2.5966 (26.6); 2.5474 (0.4); 2.5137 (14.7); 2.5094 (20.0); 2.5050 (15.0); 2.1023 (0.4); 2.0889 (1.0); 2.0808 (1.2); 2.0683 (2.0); 2.0557 (1.3); 2.0472 (1.2); 2.0345 (0.6); 1.0459 (1.2); 1.0349 (3.6); 1.0295 (4.0); 1.0192 (2.2); 1.0138 (3.9); 1.0085 (4.0); 0.9984 (1.7); 0.9821 (0.4); 0.8021 (1.5); 0.7916 (4.2); 0.7871 (4.5); 0.7790 (4.3); 0.7742 (4.6); 0.7628 (1.5)
I-545: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.0983 (1.0); 9.0841 (2.1); 9.0699 (1.2); 8.6138 (4.1); 8.5809 (2.4); 8.5691 (2.5); 8.1246 (0.4); 8.1051 (5.9); 7.9610 (3.5); 7.7933 (0.8); 7.7738 (2.5); 7.7530 (6.7); 7.7371 (4.6); 7.7096 (2.0); 7.6618 (2.3); 7.6429 (1.9); 7.5178 (3.0); 7.5024 (10.2); 6.0829 (0.6); 6.0701 (1.3); 6.0583 (0.7); 5.9672 (0.6); 5.9551 (1.3); 5.9434 (0.8); 3.9390 (1.1); 3.9263 (2.1); 3.9131 (1.4); 3.8828 (1.2); 3.8689 (2.1); 3.8568 (1.3); 3.3266 (98.6); 2.9832 (0.4); 2.9002 (15.7); 2.7408 (15.1); 2.5113 (19.6); 2.5075 (19.3); 2.3573 (16.0)
I-546: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.6266 (3.6); 7.6246 (3.6); 7.6030 (1.4); 7.5893 (4.5); 7.5871 (4.7); 7.5818 (3.5); 7.4760 (1.5); 7.4503 (0.7); 7.4387 (0.9); 7.4319 (0.7); 7.4206 (0.6); 7.4123 (0.4); 7.3448 (1.4); 7.3182 (1.6); 7.2986 (8.1); 7.0478 (1.6); 6.9390 (0.9); 6.9127 (0.8); 6.6787 (0.4); 6.6591 (0.8); 6.6386 (0.4); 4.1682 (0.7); 4.1476 (0.7); 4.1196 (1.6); 4.0989 (1.5); 4.0710 (0.8); 4.0504 (0.8); 3.8587 (16.0); 2.4739 (4.8); 2.4669 (2.7); 2.2904 (6.3); 1.6088 (3.2); 1.2941 (0.4); 0.1090 (0.5); 0.0387 (8.0)
I-547: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ =9.1125 (2.3); 9.0923 (2.3); 7.7190 (0.8); 7.6994 (2.3); 7.6762 (4.5); 7.6537 (1.5); 7.6149 (2.5); 7.6082 (2.9); 7.5938 (2.8); 7.5871 (3.1); 7.5124 (8.1); 7.4984 (6.8); 7.3666 (4.7); 7.3604 (5.4); 6.8030 (2.6); 6.7822 (2.6); 5.4488 (1.3); 5.4320 (1.9); 5.4176 (1.4); 3.7162 (14.1); 3.7096 (16.0); 3.3438 (77.7); 3.3366 (88.4); 2.9026 (0.4); 2.8954 (0.5); 2.7358 (0.4); 2.5101 (18.4); 2.3412 (13.8); 2.3346 (15.6); 1.5990 (7.6); 1.5885 (7.1); 1.5825 (7.4)
I-548: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.3140 (16.0); 7.9589 (1.3); 7.9389 (2.0); 7.7928 (3.1); 7.7894 (3.1); 7.7661 (3.4); 7.7187 (0.4); 7.6904 (6.6); 7.6727 (9.4); 7.6490 (0.9); 7.6335 (3.6); 7.6286 (3.2); 7.6070 (4.3); 7.6022 (3.9); 7.5911 (1.2); 7.5194 (4.9); 7.5039 (0.8); 7.4898 (2.0); 7.4750 (3.0); 7.4682 (2.3); 7.4589 (1.8); 7.4506 (1.2); 7.3036 (115.6); 7.2108 (3.0); 7.1845 (5.3); 7.1579 (2.4); 6.9527 (0.6); 5.3437 (5.9); 4.5370 (2.6); 4.5168 (2.6); 4.4885 (5.6); 4.4680 (5.4); 4.4400 (3.0); 4.4195 (2.8); 2.0891 (0.9); 1.5878 (86.1); 1.4703 (0.6); 1.2974 (3.8); 0.9247 (1.2); 0.9017 (0.6); 0.8781 (0.4); 0.2378 (0.6); 0.1240 (1.8); 0.1118 (53.6); 0.0996 (2.0); 0.0880 (0.5); 0.0531 (4.0); 0.0425 (119.0); 0.0315 (4.1); −0.0869 (0.4); −0.1558 (0.5)
I-549: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 7.5204 (2.5); 7.5164 (2.0); 7.5074 (4.4); 7.4192 (2.2); 7.3846 (0.3); 7.3740 (0.9); 7.3644 (1.3); 7.3596 (1.3); 7.3508 (1.2); 7.3391 (2.8); 7.3126 (2.1); 7.3067 (1.8); 7.2871 (2.0); 7.2684 (1.2); 7.2595 (5.3); 7.2366 (0.7); 6.6356 (0.6); 6.6208 (1.1); 6.6059 (0.6); 5.2960 (0.6); 4.1838 (1.0); 4.1681 (1.0); 4.1476 (2.1); 4.1319 (2.0); 4.1113 (1.0); 4.0957 (1.0); 2.3803 (0.4); 2.3531 (12.2); 2.3088 (16.0); 1.5735 (5.8); 1.2559 (0.4); −0.0002 (3.4)
I-550: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.7872 (1.5); 8.7818 (1.6); 8.7708 (1.6); 8.7655 (1.6); 8.6824 (1.9); 8.6763 (1.9); 7.8437 (0.8); 7.8372 (1.1); 7.8305 (0.8); 7.8173 (0.9); 7.8109 (1.3); 7.8043 (0.9); 7.6230 (1.4); 7.6015 (4.5); 7.5807 (0.4); 7.5355 (2.1); 7.5024 (2.2); 7.4871 (1.7); 7.4791 (1.9); 7.4625 (1.0); 7.2988 (25.7); 7.2182 (1.8); 7.1916 (2.1); 7.0309 (2.2); 7.0009 (1.1); 6.9924 (1.2); 6.9548 (1.2); 6.9267 (1.0); 6.4327 (0.5); 6.4136 (1.0); 6.3950 (0.5); 4.0342 (0.7); 4.0136 (0.7); 3.9850 (1.4); 3.9644 (1.4); 3.9361 (0.7); 3.9153 (0.7); 3.6590 (5.9); 2.3950 (6.3); 2.3658 (0.4); 2.3006 (8.4); 2.2079 (0.4); 1.6092 (16.0); 1.2922 (0.4); 0.0482 (0.9); 0.0374 (25.0); 0.0265 (0.9)
I-551: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 8.7488 (1.5); 8.7351 (3.0); 8.7210 (1.5); 8.0763 (16.0); 7.7599 (1.1); 7.7409 (3.3); 7.7202 (3.6); 7.7035 (10.8); 7.6855 (1.9); 7.6058 (3.4); 7.5864 (2.3); 7.0880 (5.7); 6.9467 (2.8); 6.9435 (2.8); 6.9266 (3.1); 6.9233 (3.0); 6.5555 (6.2); 6.5353 (5.6); 4.4352 (5.2); 4.4134 (10.9); 4.3917 (5.6); 3.5118 (1.9); 3.4947 (5.0); 3.4795 (5.1); 3.4626 (2.1); 3.3411 (85.0); 3.0177 (3.7); 2.9960 (7.2); 2.9743 (3.5); 2.8911 (0.6); 2.7685 (3.7); 2.7510 (7.5); 2.7332 (3.9); 2.5258 (0.6); 2.5123 (14.6); 2.5081 (30.3); 2.5036 (40.4); 2.4991 (29.2); 2.4948 (14.3); 1.2389 (1.2); −0.0002 (4.6)
I-552: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.5103 (11.0); 8.4735 (0.4); 7.9923 (2.8); 7.7100 (1.3); 7.6837 (6.6); 7.6644 (16.0); 7.6613 (14.4); 7.5899 (9.7); 7.5562 (7.5); 7.5067 (1.1); 7.5000 (1.1); 7.4907 (3.3); 7.4804 (4.9); 7.4732 (4.4); 7.4602 (3.7); 7.4526 (2.4); 7.4313 (1.9); 7.4263 (1.6); 7.4033 (12.7); 7.3972 (18.7); 7.3674 (1.8); 7.2994 (11.8); 6.1390 (2.1); 6.1285 (2.4); 6.1149 (2.4); 6.1044 (2.2); 6.0681 (1.1); 6.0464 (3.3); 6.0247 (3.3); 6.0030 (1.2); 5.9834 (2.2); 5.9728 (2.4); 5.9594 (2.4); 5.9487 (2.2); 5.9101 (1.1); 5.8884 (3.3); 5.8666 (3.3); 5.8449 (1.1); 4.3933 (0.6); 4.3825 (0.8); 4.3771 (0.8); 4.3702 (0.9); 4.3663 (0.9); 4.3597 (0.9); 4.3547 (0.8); 4.3443 (1.3); 4.3338 (1.0); 4.3283 (1.0); 4.3216 (1.1); 4.3177 (1.1); 4.3110 (1.1); 4.3059

TABLE 2-continued

(1.0); 4.3016 (1.0); 4.2949 (1.0); 4.2909 (1.0); 4.2860 (0.9); 4.2785 (1.0); 4.2678 (0.9); 4.2635 (0.8); 4.2526 (1.3); 4.2417 (1.0); 4.2371 (1.0); 4.2298 (1.1); 4.2191 (1.0); 4.2150 (0.9); 4.2040 (0.7); 3.9151 (0.7); 3.8977 (1.0); 3.8918 (1.4); 3.8748 (1.5); 3.8676 (1.3); 3.8507 (1.4); 3.8441 (1.7); 3.8264 (1.9); 3.8040 (1.7); 3.7813 (1.1); 3.7738 (1.2); 3.7565 (1.0); 3.7504 (0.7); 3.7334 (0.6); 1.8583 (15.3); 1.8365 (15.3); 1.7772 (15.9); 1.7554 (15.0); 1.6136 (4.2); 1.5819 (0.3); 1.5611 (0.4); 1.2942 (5.3); 0.9406 (1.4); 0.9190 (3.8); 0.8957 (1.6); 0.1102 (1.7); 0.0479 (0.5); 0.0373 (8.7); 0.0265 (0.5)

I-553: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.0984 (0.9); 9.0840 (2.0); 9.0693 (1.1); 8.6130 (4.0); 8.5796 (2.3); 8.5672 (2.4); 8.1087 (6.7); 7.9606 (3.0); 7.7913 (0.7); 7.7716 (2.1); 7.7522 (2.0); 7.7284 (5.2); 7.7074 (1.6); 7.6611 (2.0); 7.6359 (4.4); 7.5910 (2.6); 7.5699 (3.1); 7.5169 (2.8); 7.5045 (2.9); 7.3765 (1.9); 7.3722 (1.9); 7.3556 (1.7); 7.3512 (1.7); 6.0965 (0.6); 6.0841 (1.2); 6.0715 (0.7); 5.9810 (0.6); 5.9687 (1.2); 5.9562 (0.7); 3.9440 (1.0); 3.9301 (1.9); 3.9164 (1.2); 3.8865 (1.1); 3.8731 (1.8); 3.8595 (1.2); 3.3245 (55.0); 2.8985 (16.0); 2.7394 (15.1); 2.5092 (14.2); 2.3563 (15.3)

I-554: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5857 (0.4); 7.5595 (3.1); 7.5540 (2.9); 7.5491 (2.9); 7.5416 (7.4); 7.5384 (7.7); 7.4616 (3.6); 7.4377 (0.6); 7.4309 (0.5); 7.4233 (1.6); 7.4111 (2.2); 7.4043 (1.9); 7.3847 (4.3); 7.3581 (3.9); 7.2985 (11.7); 7.0691 (4.0); 6.9925 (2.2); 6.9656 (1.9); 6.6283 (1.0); 6.6083 (1.9); 6.5877 (1.0); 5.3365 (14.2); 4.4586 (0.7); 4.4494 (1.3); 4.4386 (1.9); 4.4291 (2.7); 4.4194 (1.8); 4.4087 (1.4); 4.3994 (0.7); 4.2672 (1.8); 4.2467 (1.7); 4.2173 (3.8); 4.1968 (3.6); 4.1674 (2.0); 4.1468 (1.8); 2.9789 (0.6); 2.8867 (0.6); 2.4996 (12.0); 2.4928 (6.9); 2.3183 (16.0); 2.0775 (0.4); 2.0378 (0.5); 1.6085 (1.4); 1.2940 (0.4); 0.9885 (0.8); 0.9789 (1.0); 0.9704 (2.4); 0.9617 (4.9); 0.9561 (4.2); 0.9471 (2.3); 0.9358 (1.4); 0.8866 (0.5); 0.8832 (0.5); 0.8778 (0.4); 0.8631 (0.4); 0.8285 (1.2); 0.8250 (1.2); 0.8060 (4.0); 0.7997 (2.6); 0.7927 (2.0); 0.7855 (3.1); 0.7792 (3.0); 0.7612 (0.7); 0.7578 (0.6); 0.1091 (0.9); 0.0491 (0.4); 0.0384 (11.3); 0.0274 (0.5)

I-555: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5839 (2.3); 7.5819 (2.4); 7.3926 (0.3); 7.3652 (6.6); 7.3608 (3.4); 7.3481 (1.3); 7.3320 (0.4); 7.3218 (2.6); 7.2986 (10.7); 7.1463 (0.4); 7.0142 (1.4); 6.9911 (2.0); 6.9882 (2.2); 6.9836 (2.1); 6.9645 (0.9); 6.9613 (0.9); 6.9565 (1.2); 6.9535 (0.9); 6.9064 (1.7); 6.9002 (2.1); 6.8934 (1.2); 6.6250 (0.5); 6.6057 (0.9); 6.5854 (0.5); 6.0620 (0.5); 6.0516 (0.6); 6.0397 (0.6); 6.0293 (0.5); 5.9073 (0.5); 5.8967 (0.6); 5.8849 (0.6); 5.8744 (0.5); 4.1858 (0.4); 4.1751 (0.4); 4.1639 (0.4); 4.1532 (0.4); 4.1484 (0.3); 4.0993 (0.4); 4.0886 (0.3); 4.0774 (0.3); 3.9551 (0.3); 3.9344 (0.5); 3.9131 (0.4); 3.8838 (0.4); 3.8790 (0.4); 3.8588 (0.5); 3.8369 (0.4); 3.8301 (0.3); 3.8102 (0.5); 3.7888 (0.4); 2.4083 (16.0); 1.9618 (0.5); 1.9507 (0.6); 1.9339 (1.1); 1.9173 (0.7); 1.9061 (0.6); 1.5982 (6.3); 1.3048 (1.8); 1.0398 (0.7); 1.0247 (2.0); 1.0179 (2.1); 1.0121 (1.2); 1.0030 (1.4); 0.9963 (2.2); 0.9898 (1.8); 0.9751 (1.0); 0.9417 (0.7); 0.9200 (2.0); 0.8968 (0.7); 0.7588 (1.0); 0.7436 (2.5); 0.7376 (2.1); 0.7271 (2.1); 0.7216 (2.5); 0.7052 (0.8); 0.1078 (0.8); 0.0487 (0.4); 0.0380 (9.8); 0.0270 (0.4)

I-556: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.4620 (2.2); 7.4342 (4.4); 7.4252 (2.1); 7.3248 (1.3); 7.2987 (14.6); 7.2723 (1.7); 7.2292 (1.8); 7.2223 (1.6); 7.2014 (1.4); 7.1944 (1.3); 6.9864 (1.6); 6.9790 (2.9); 6.9512 (2.9); 6.9103 (2.0); 6.9039 (2.6); 6.8976 (1.3); 6.5313 (0.5); 6.5126 (0.9); 6.4930 (0.5); 6.0839 (0.6); 6.0732 (0.6); 6.0613 (0.6); 6.0511 (0.5); 5.9288 (0.6); 5.9185 (0.6); 5.9063 (0.6); 5.8957 (0.5); 4.2084 (0.4); 4.1937 (0.6); 4.1861 (0.4); 4.1696 (1.7); 4.1586 (0.4); 4.1460 (1.7); 4.1364 (0.4); 4.1213 (0.8); 4.1095 (0.4); 4.0981 (0.4); 4.0875 (0.4); 3.9428 (0.4); 3.9210 (0.5); 3.9011 (0.4); 3.8943 (0.4); 3.8684 (0.6); 3.8486 (0.6); 3.8261 (0.4); 3.8192 (0.4); 3.7970 (0.4); 2.6280 (16.0); 2.4486 (0.5); 2.3189 (16.0); 2.0815 (6.0); 1.9531 (0.6); 1.9418 (0.7); 1.9252 (1.3); 1.9083 (0.7); 1.8972 (0.7); 1.8800 (0.4); 1.6053 (6.3); 1.3202 (1.6); 1.2964 (3.2); 1.2726 (1.5); 1.0217 (0.8); 1.0060 (2.1); 0.9996 (2.3); 0.9849 (1.2); 0.9779 (2.3); 0.9713 (2.0); 0.9571 (1.0); 0.7548 (1.0); 0.7394 (2.6); 0.7336 (2.4); 0.7233 (2.2); 0.7171 (2.8); 0.7012 (0.8); 0.0484 (0.4); 0.0377 (11.8); 0.0270 (0.5)

I-557: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.0057 (1.7); 8.9850 (1.8); 7.9601 (0.5); 7.6502 (2.1); 7.6305 (2.3); 7.4756 (1.3); 7.4553 (3.1); 7.4349 (2.0); 7.3992 (2.2); 7.3786 (2.6); 7.3220 (1.8); 7.3192 (1.8); 7.2991 (1.5); 7.2759 (4.9); 7.2302 (2.0); 7.2251 (3.4); 7.2201 (2.0); 7.1495 (2.7); 7.1302 (3.2); 7.1125 (1.3); 6.9134 (1.3); 6.8944 (2.2); 6.8761 (1.2); 5.4683 (0.9); 5.4501 (1.3); 5.4320 (0.9); 3.7168 (16.0); 3.3402 (77.7); 2.8974 (3.0); 2.7386 (2.8); 2.5304 (14.4); 2.5131 (7.0); 2.5092 (8.9); 2.5053 (6.9); 2.2270 (14.2); 1.5864 (6.1); 1.5695 (6.2)

I-558: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 9.2308 (1.6); 9.1825 (7.3); 8.3910 (13.3); 8.0233 (3.0); 7.9961 (3.5); 7.8767 (2.4); 7.8494 (4.2); 7.7892 (2.1); 7.7854 (2.0); 7.7664 (3.2); 7.7625 (3.4); 7.7389 (8.5); 7.7076 (4.8); 7.6809 (3.0); 7.6775 (3.1); 7.6540 (16.0); 7.6446 (5.3); 7.6326 (2.5); 7.6154 (0.6); 7.6097 (0.5); 7.3038 (13.3); 5.0190 (8.2); 5.0029 (8.2); 1.6593 (10.0); 1.2980 (0.4); 0.1137 (0.6); 0.0526 (0.5); 0.0418 (13.5); 0.0309 (0.5)

I-559: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 9.3197 (6.0); 8.6041 (5.0); 8.5841 (5.3); 8.3798 (0.4); 8.3722 (16.0); 8.0208 (4.3); 7.9934 (3.8); 7.8817 (4.1); 7.8617 (3.8); 7.7892 (2.6); 7.7686 (3.5); 7.6512 (3.7); 7.6273 (3.3); 7.6240 (3.8); 7.6131 (0.8); 7.6099 (0.8); 7.5962 (7.2); 7.5927 (8.6); 7.5835 (3.0); 7.5725 (3.7); 7.5463 (0.8); 7.3914 (3.6); 7.3889 (3.3); 7.3443 (1.6); 7.3374 (2.1); 7.3286 (1.1); 7.3226 (2.1); 7.3154 (2.4); 7.3062 (1.3); 7.3049 (1.4); 7.2987 (13.8); 7.2895 (0.4); 5.3346 (1.9); 5.2059 (7.8); 5.1868 (7.7); 1.6810 (3.4); 1.2908 (0.4); 0.0463 (0.4); 0.0355 (11.5); 0.0246 (0.4)

I-560: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 8.7800 (0.6); 8.7662 (1.1); 8.7518 (0.6); 8.0688 (5.7); 7.9993 (2.0); 7.9937 (2.1); 7.9539 (0.3); 7.7524 (0.4); 7.7327 (1.3); 7.7128 (1.5); 7.6965 (2.8); 7.6910 (2.3); 7.6034 (1.2); 7.5833 (0.9); 7.5773 (1.6); 7.5709 (1.2); 7.5559 (1.3); 7.5497 (1.2); 6.5529 (2.2); 6.5319 (2.1); 5.1233 (0.4); 5.1079 (1.1); 5.0924 (1.5); 5.0770 (1.2); 5.0615 (0.4); 3.5384 (0.7); 3.5219 (1.9); 3.5069 (2.0); 3.4905 (0.8); 3.3495 (59.7); 2.8926 (2.2); 2.7804 (1.3); 2.7637 (2.7); 2.7470 (1.2); 2.7338 (2.1); 2.5136 (6.9); 2.5096 (14.2); 2.5051 (18.9); 2.5007 (13.8); 1.2392 (0.6); 1.2218 (16.0); 1.2063 (15.7); −0.0002 (0.7)

I-561: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.0588 (0.6); 9.0431 (1.3); 9.0273 (0.7); 7.9611 (0.8); 7.8713 (2.3); 7.8677 (2.4); 7.6063 (5.3); 7.4838 (1.4); 7.4626 (3.1); 7.4295 (1.7); 7.4252 (1.7); 7.4085 (0.9); 7.4041 (0.9); 7.3798 (1.2); 7.3594

TABLE 2-continued

(2.4); 7.3393 (1.4); 6.8729 (1.1); 6.8686 (1.2); 6.8532 (1.0); 6.8475 (1.2); 6.7437 (1.2); 6.7384 (2.6); 6.7322 (3.1); 6.7112 (1.4); 6.7063 (1.1); 4.2695 (0.6); 4.2539 (0.7); 4.2350 (1.4); 4.2192 (1.4); 4.2004 (0.8); 4.1845 (0.7); 3.7768 (16.0); 3.3151 (77.1); 2.8993 (5.2); 2.7404 (4.7); 2.5802 (13.3); 2.5138 (7.1); 2.5094 (9.8); 2.5050 (7.4)

I-562: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.2163 (0.9); 9.2005 (2.0); 9.1846 (1.0); 8.6068 (4.7); 8.5735 (2.6); 8.5611 (2.8); 8.0276 (6.7); 7.9607 (3.0); 7.7930 (0.8); 7.7735 (2.3); 7.7538 (5.6); 7.7295 (2.9); 7.7101 (1.5); 7.6835 (3.4); 7.6222 (2.0); 7.6012 (4.2); 7.5798 (3.3); 7.4950 (2.8); 7.4825 (2.9); 7.2714 (1.8); 7.2674 (1.9); 7.2505 (1.7); 7.2462 (1.8); 4.3394 (0.9); 4.3239 (1.0); 4.3053 (2.0); 4.2899 (2.0); 4.2713 (1.1); 4.2550 (1.0); 3.3242 (113.7); 3.2751 (0.9); 2.8990 (16.0); 2.7398 (15.0); 2.5097 (15.8); 2.3391 (15.8)

I-563: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.1544 (4.9); 7.9126 (0.7); 7.8933 (0.4); 7.6505 (1.4); 7.6242 (2.1); 7.6003 (1.2); 7.4802 (1.8); 7.4523 (2.5); 7.4314 (2.8); 7.4267 (2.2); 7.4038 (1.2); 7.3767 (0.6); 7.2988 (13.4); 7.2835 (1.6); 7.2767 (1.5); 7.2555 (1.2); 7.2488 (1.1); 6.1495 (0.4); 6.1393 (0.5); 6.1272 (0.5); 6.1166 (0.5); 5.9950 (0.5); 5.9841 (0.5); 5.9723 (0.5); 5.9616 (0.5); 5.3379 (5.3); 4.2965 (0.4); 4.2857 (0.4); 4.2746 (0.3); 4.2633 (0.4); 4.2583 (0.3); 4.2094 (0.4); 4.1985 (0.4); 4.1874 (0.4); 4.1765 (0.3); 3.9565 (0.3); 3.9386 (0.4); 3.9339 (0.4); 3.9162 (0.4); 3.8844 (0.5); 3.8658 (0.6); 3.8606 (0.4); 3.8425 (0.4); 3.8165 (0.3); 2.7660 (15.3); 2.0488 (0.4); 1.6022 (16.0); 1.2913 (0.4); 0.1064 (6.0); 0.0472 (0.6); 0.0364 (14.0); 0.0256 (0.6)

I-564: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.4336 (1.4); 7.4271 (0.7); 7.4063 (4.1); 7.3871 (1.1); 7.3806 (3.8); 7.2983 (25.5); 7.2569 (1.2); 7.2533 (0.8); 7.2323 (1.8); 7.2075 (0.8); 7.2036 (0.6); 7.1941 (2.7); 7.1902 (3.3); 7.1830 (0.9); 7.1686 (1.5); 7.1651 (2.5); 7.0666 (2.1); 6.9829 (1.1); 6.9572 (1.0); 6.3210 (0.5); 6.3015 (0.8); 6.2814 (0.5); 5.3373 (12.9); 4.2655 (1.0); 4.2452 (0.9); 4.2162 (2.1); 4.1959 (2.0); 4.1668 (1.1); 4.1467 (1.1); 3.7510 (0.5); 3.7438 (0.5); 3.7172 (0.9); 3.6911 (0.5); 3.6830 (0.6); 2.6353 (0.3); 2.6055 (16.0); 2.5106 (6.0); 2.5037 (3.5); 2.4643 (0.4); 2.4580 (0.4); 2.4285 (1.1); 2.4213 (0.9); 2.4000 (1.4); 2.3926 (1.2); 2.3813 (0.6); 2.3727 (0.9); 2.3660 (0.9); 2.3531 (0.6); 2.3447 (0.6); 2.3233 (8.8); 2.2876 (1.3); 2.2811 (1.2); 2.2544 (0.9); 2.2462 (0.7); 2.0827 (0.9); 2.0485 (0.5); 2.0220 (0.8); 1.9870 (0.8); 1.9535 (0.4); 1.8467 (0.4); 1.8168 (0.7); 1.7870 (0.6); 1.5976 (12.5); 1.3208 (0.4); 1.2968 (1.2); 1.1646 (0.5); 1.1438 (0.4); 0.1746 (0.4); 0.1077 (53.4); 0.0954 (2.2); 0.0487 (1.0); 0.0380 (25.2); 0.0271 (0.9)

I-565: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.9763 (8.4); 7.8553 (0.5); 7.7371 (0.8); 7.7228 (8.3); 7.7080 (0.6); 7.6616 (0.4); 7.6349 (0.4); 7.6064 (4.6); 7.6017 (3.5); 7.5891 (7.4); 7.5656 (0.7); 7.5257 (0.5); 7.4958 (3.7); 7.4748 (0.6); 7.4613 (1.7); 7.4521 (1.6); 7.4469 (2.2); 7.4407 (1.8); 7.4312 (1.4); 7.4230 (1.0); 7.3277 (3.3); 7.2986 (8.8); 7.2759 (0.3); 7.0551 (4.3); 6.9504 (2.2); 6.9243 (1.9); 6.7400 (1.0); 6.7200 (2.0); 6.6997 (1.1); 5.3356 (1.2); 4.1480 (1.7); 4.1275 (1.6); 4.0994 (3.5); 4.0788 (3.4); 4.0507 (1.8); 4.0301 (1.8); 2.5059 (0.3); 2.4649 (11.5); 2.3721 (0.7); 2.3455 (0.5); 2.3006 (16.0); 1.6555 (3.9); 0.1123 (0.5); 0.0400 (5.3)

I-566: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.3972 (2.0); 7.3706 (2.3); 7.3075 (1.7); 7.2983 (13.9); 7.2817 (2.6); 7.2553 (1.7); 7.0882 (2.3); 7.0046 (1.4); 6.9792 (2.6); 6.9713 (2.8); 6.9642 (2.0); 6.9553 (1.2); 6.9521 (1.3); 6.9442 (2.2); 6.9390 (1.6); 6.8970 (2.0); 6.8907 (2.4); 6.8839 (1.3); 6.4526 (0.5); 6.4318 (1.0); 6.4122 (0.5); 4.2691 (1.1); 4.2482 (1.0); 4.2203 (2.3); 4.1994 (2.2); 4.1713 (1.2); 4.1505 (1.1); 2.6863 (0.3); 2.6198 (16.0); 2.5528 (0.6); 2.5323 (6.7); 2.5255 (3.9); 2.3898 (0.4); 2.3436 (8.9); 2.2657 (15.6); 2.1993 (0.3); 2.0449 (0.4); 1.9435 (0.6); 1.9324 (0.7); 1.9271 (0.5); 1.9155 (1.2); 1.8987 (0.7); 1.8876 (0.7); 1.8708 (0.4); 1.6071 (10.0); 1.2967 (1.4); 1.0149 (0.9); 0.9998 (2.2); 0.9928 (2.4); 0.9871 (1.3); 0.9780 (1.4); 0.9713 (2.3); 0.9646 (2.0); 0.9501 (1.2); 0.9414 (0.6); 0.9196 (1.4); 0.8963 (0.6); 0.7471 (1.1); 0.7320 (2.7); 0.7258 (2.4); 0.7155 (2.3); 0.7097 (2.8); 0.6934 (0.8); 0.1074 (0.5); 0.1041 (0.4); 0.0482 (0.6); 0.0375 (14.2); 0.0266 (0.6)

I-567: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.2839 (9.2); 7.9537 (0.6); 7.9335 (1.0); 7.9145 (0.6); 7.8542 (0.4); 7.5916 (2.9); 7.5632 (3.6); 7.5268 (2.5); 7.5204 (2.7); 7.3648 (0.4); 7.3342 (1.8); 7.3275 (1.8); 7.3057 (2.0); 7.2984 (20.0); 7.2317 (0.4); 7.2101 (3.5); 7.1813 (4.4); 7.0478 (3.5); 7.0399 (4.2); 6.9755 (2.9); 6.9675 (2.4); 6.9468 (2.3); 6.9387 (1.9); 4.4861 (1.5); 4.4657 (1.4); 4.4375 (3.1); 4.4170 (2.9); 4.4034 (0.4); 4.3887 (1.6); 4.3683 (1.5); 2.0833 (0.4); 1.5881 (16.0); 1.3658 (0.3); 1.3434 (0.6); 1.3033 (3.7); 1.2971 (3.7); 0.9408 (1.3); 0.9189 (4.2); 0.8956 (1.6); 0.1032 (0.4); 0.0477 (0.7); 0.0368 (20.7); 0.0258 (0.8); −0.0298 (0.4)

I-568: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.0047 (1.2); 8.9912 (2.4); 8.9772 (1.2); 8.3160 (0.3); 8.1277 (16.0); 7.7188 (1.0); 7.7006 (6.7); 7.6801 (5.2); 7.6738 (4.9); 7.6574 (1.0); 7.6542 (1.2); 7.6044 (1.8); 7.6002 (3.0); 7.5959 (1.8); 7.5814 (1.9); 7.2664 (0.5); 7.2601 (4.4); 7.2546 (1.6); 7.2412 (5.0); 7.2381 (6.4); 7.2256 (1.7); 7.2201 (4.9); 6.9315 (2.4); 6.9293 (2.0); 6.9145 (10.2); 6.9125 (10.3); 6.8930 (10.9); 4.1284 (3.6); 4.1147 (7.9); 4.1011 (4.1); 3.9026 (0.9); 3.7022 (2.1); 3.6886 (5.6); 3.6747 (5.4); 3.6608 (1.8); 3.3297 (180.6); 2.6756 (0.9); 2.6711 (1.2); 2.6666 (0.9); 2.5245 (4.2); 2.5196 (6.9); 2.5111 (80.0); 2.5067 (158.5); 2.5022 (205.0); 2.4976 (148.2); 2.4931 (73.0); 2.3380 (0.5); 2.3335 (0.9); 2.3289 (1.2); 2.3244 (0.9); −0.0002 (1.0)

I-569: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 7.5401 (2.5); 7.5366 (2.7); 7.5298 (5.3); 7.5189 (1.6); 7.5060 (1.3); 7.4891 (0.6); 7.4169 (2.6); 7.3642 (0.9); 7.3567 (1.3); 7.3533 (1.2); 7.3463 (1.0); 7.3418 (0.7); 7.2606 (4.5); 6.9104 (0.6); 6.8927 (1.2); 6.8717 (0.7); 6.8520 (0.7); 6.8351 (1.3); 6.8192 (0.7); 6.6784 (0.7); 6.6660 (1.2); 6.6537 (0.7); 4.2920 (1.0); 4.2792 (1.0); 4.2631 (2.1); 4.2503 (2.1); 4.2341 (1.1); 4.2213 (1.0); 2.3305 (16.0); 1.5707 (9.1); 1.2567 (0.4); −0.0002 (3.7)

I-570: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.1830 (1.1); 9.1677 (2.3); 9.1520 (1.1); 7.9378 (11.6); 7.9285 (0.4); 7.4041 (2.0); 7.3845 (4.3); 7.3650 (2.7); 7.3333 (3.5); 7.3133 (3.9); 7.1666 (2.7); 7.1474 (2.3); 7.0902 (4.2); 7.0594 (4.2); 7.0425 (2.5); 7.0226 (2.0); 7.0180 (1.6); 6.9661 (2.2); 6.9463 (2.1); 4.1194 (1.2); 4.1038 (1.2); 4.0824 (2.6); 4.0666 (2.5); 4.0450 (1.3); 4.0295 (1.2); 3.3483 (16.5); 2.8976 (1.5); 2.7390 (1.3); 2.6862 (1.8); 2.6673 (5.2); 2.6483 (5.3); 2.6293 (1.8); 2.5179 (17.7); 2.5138 (33.7); 2.5093 (43.9); 2.5049 (32.8); 2.4240 (10.8); 2.2672 (0.6); 2.2405 (15.2); 2.1957 (0.5); 1.2275 (7.7); 1.2086 (16.0); 1.1896 (7.3)

TABLE 2-continued

I-571: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.2740 (5.7); 7.6072 (4.3); 7.5925 (2.6); 7.5732 (0.6); 7.3934 (2.1); 7.3032 (0.8); 7.2979 (1.1); 7.2879 (1.1); 7.2824 (1.2); 7.2750 (0.8); 7.2595 (12.9); 6.9725 (2.2); 6.9521 (2.3); 6.3545 (2.5); 6.3487 (2.6); 6.1831 (1.5); 6.1772 (1.4); 6.1625 (1.4); 6.1567 (1.3); 3.7801 (1.2); 3.7653 (2.4); 3.7491 (2.4); 3.7344 (1.2); 3.6994 (15.4); 3.6732 (16.0); 2.9027 (1.9); 2.8865 (3.1); 2.8704 (1.7); 1.5443 (10.2); −0.0002 (12.3)
I-572: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5676 (0.3); 7.5419 (1.3); 7.5163 (3.5); 7.5113 (1.8); 7.4924 (0.4); 7.4396 (2.0); 7.4364 (1.6); 7.4219 (1.0); 7.4139 (1.5); 7.4062 (2.2); 7.3910 (0.9); 7.3796 (2.0); 7.2986 (6.6); 7.0922 (1.8); 7.0105 (1.0); 6.9839 (0.9); 6.3776 (0.4); 6.3572 (0.8); 6.3372 (0.4); 4.3003 (0.9); 4.2794 (0.9); 4.2514 (1.9); 4.2305 (1.8); 4.2025 (1.0); 4.1816 (0.9); 2.5375 (5.6); 2.5306 (3.2); 2.4307 (16.0); 2.3689 (0.4); 2.3323 (7.4); 2.1105 (0.6); 2.0997 (0.6); 2.0940 (0.4); 2.0834 (1.2); 2.0725 (0.5); 2.0668 (0.7); 2.0561 (0.6); 1.6068 (5.6); 1.2945 (0.5); 1.2698 (0.9); 1.2671 (0.8); 1.2518 (1.8); 1.2437 (2.1); 1.2357 (1.8); 1.2319 (1.5); 1.2273 (2.0); 1.2155 (0.8); 1.1062 (0.9); 1.0944 (2.0); 1.0858 (1.5); 1.0791 (1.2); 1.0672 (1.9); 1.0585 (1.5); 1.0439 (0.6); 0.1084 (0.5); 0.0376 (5.5)
I-573: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 8.7495 (0.6); 8.7356 (1.2); 8.7215 (0.6); 8.0677 (6.1); 7.9530 (0.4); 7.7552 (0.4); 7.7361 (1.3); 7.7156 (1.4); 7.6977 (4.2); 7.6807 (0.8); 7.6015 (1.3); 7.5822 (0.9); 6.7395 (2.4); 6.7350 (2.9); 6.6933 (0.8); 6.6886 (0.7); 6.6728 (2.0); 6.6680 (2.0); 6.6482 (3.9); 6.6278 (1.5); 4.1367 (16.0); 3.5056 (0.8); 3.4887 (2.0); 3.4735 (2.0); 3.4567 (0.8); 3.3454 (29.6); 3.3439 (29.5); 2.8915 (2.8); 2.7326 (3.9); 2.7149 (3.0); 2.6974 (1.4); 2.5127 (4.8); 2.5086 (10.1); 2.5041 (13.5); 2.4997 (9.9); 2.4955 (4.9); 1.2388 (0.4); −0.0002 (0.9)
I-574: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.0484 (1.6); 9.0327 (3.3); 9.0168 (1.6); 7.9609 (2.5); 7.8710 (5.8); 7.8679 (6.0); 7.6027 (13.0); 7.4777 (3.5); 7.4564 (7.7); 7.4251 (4.4); 7.4210 (4.3); 7.4041 (2.0); 7.3999 (2.0); 7.3386 (2.8); 7.3189 (5.9); 7.2992 (3.5); 6.9922 (3.6); 6.9726 (3.3); 6.9168 (2.6); 6.9118 (3.1); 6.8967 (2.3); 6.8928 (3.0); 6.8657 (4.4); 6.8614 (5.9); 4.2677 (1.5); 4.2517 (1.6); 4.2331 (3.5); 4.2172 (3.4); 4.1985 (1.8); 4.1826 (1.6); 3.3142 (192.8); 2.8992 (16.0); 2.7401 (14.4); 2.5756 (32.7); 2.5509 (0.4); 2.5136 (19.7); 2.5093 (26.8); 2.5049 (19.8); 1.9989 (0.6); 1.9860 (1.3); 1.9776 (1.5); 1.9653 (2.7); 1.9528 (1.6); 1.9445 (1.5); 1.9317 (0.8); 1.0079 (1.6); 0.9969 (4.7); 0.9915 (5.1); 0.9812 (2.5); 0.9760 (4.9); 0.9707 (4.9); 0.9604 (1.8); 0.7100 (1.8); 0.6993 (5.6); 0.6945 (5.6); 0.6870 (5.2); 0.6821 (5.8); 0.6708 (1.6)
I-575: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.1722 (0.9); 9.1567 (2.0); 9.1415 (1.0); 8.6089 (4.8); 8.5752 (2.7); 8.5628 (2.9); 8.0675 (6.9); 7.9606 (2.6); 7.7938 (0.7); 7.7742 (2.1); 7.7547 (2.1); 7.7300 (2.9); 7.7094 (4.8); 7.6826 (0.4); 7.6370 (2.0); 7.6170 (1.6); 7.5801 (2.8); 7.5591 (6.4); 7.5272 (6.3); 7.5049 (5.6); 7.4916 (3.3); 4.1877 (0.8); 4.1720 (1.0); 4.1533 (1.9); 4.1377 (2.0); 4.1186 (1.1); 4.1029 (1.0); 3.3254 (124.2); 2.8986 (14.2); 2.7395 (13.3); 2.5094 (16.6); 2.3462 (16.0)
I-576: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.1064 (0.4); 9.0909 (0.8); 9.0755 (1.3); 9.0594 (0.6); 8.3102 (1.5); 7.7324 (0.8); 7.7129 (2.0); 7.6934 (1.8); 7.6813 (0.4); 7.6605 (6.3); 7.6475 (1.2); 7.6339 (0.8); 7.6262 (1.4); 7.5915 (2.4); 7.5729 (3.4); 7.5535 (3.0); 7.5431 (0.8); 7.5230 (1.9); 7.5045 (1.1); 7.2673 (1.4); 7.2440 (1.4); 7.2210 (0.3); 4.9624 (0.5); 4.8946 (2.7); 4.8794 (3.1); 4.8738 (3.1); 4.8587 (3.0); 4.5462 (0.4); 4.5144 (2.8); 4.4986 (4.9); 4.4828 (2.9); 4.2889 (0.8); 4.2726 (0.8); 4.2532 (1.6); 4.2372 (1.8); 4.2181 (1.5); 4.1997 (1.6); 4.1804 (0.6); 3.7184 (0.3); 3.6327 (0.4); 3.6184 (0.6); 3.6040 (0.4); 3.3239 (353.6); 3.2730 (0.4); 3.2672 (0.4); 3.2162 (1.2); 2.7118 (0.7); 2.6760 (1.4); 2.6716 (1.9); 2.6672 (1.4); 2.6029 (1.0); 2.5811 (16.0); 2.5611 (0.6); 2.5418 (166.3); 2.5249 (5.5); 2.5200 (8.4); 2.5114 (116.4); 2.5071 (229.6); 2.5026 (299.0); 2.4981 (219.5); 2.4939 (109.6); 2.4119 (1.0); 2.3681 (0.8); 2.3339 (1.4); 2.3294 (1.9); 2.3249 (1.4); 2.2952 (0.5); 1.3428 (0.4); −0.0002 (3.3)
I-577: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 8.3524 (7.7); 7.8845 (1.5); 7.7366 (0.3); 7.7245 (0.7); 7.7111 (0.8); 7.6993 (0.4); 7.6437 (0.3); 7.6268 (4.7); 7.6169 (6.6); 7.4839 (3.6); 7.4441 (0.4); 7.4362 (1.3); 7.4274 (2.0); 7.4240 (1.8); 7.4185 (1.5); 7.4134 (1.1); 7.3544 (0.4); 7.3381 (0.6); 7.3262 (3.6); 7.3104 (3.7); 7.2678 (0.8); 7.2587 (10.4); 7.2384 (0.6); 7.2131 (0.4); 7.0339 (4.2); 6.9391 (2.2); 6.9234 (2.1); 5.2965 (4.5); 4.2508 (1.6); 4.2390 (1.6); 4.2220 (3.4); 4.2102 (3.4); 4.1932 (1.8); 4.1814 (1.8); 3.4203 (8.0); 2.4716 (11.5); 2.3221 (0.7); 2.2777 (16.0); 1.5511 (5.1); 1.2564 (0.9); −0.0002 (9.8); −0.5243 (2.7)
I-578: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.7046 (0.6); 8.4073 (0.5); 8.2977 (5.7); 8.0171 (0.5); 7.8750 (1.9); 7.8680 (2.0); 7.6507 (2.0); 7.6288 (2.3); 7.4904 (1.0); 7.4885 (1.0); 7.4703 (1.3); 7.4685 (1.4); 7.3628 (1.4); 7.3425 (2.6); 7.3226 (2.6); 7.3181 (2.6); 7.3131 (1.6); 7.2736 (1.4); 7.2663 (1.6); 7.2598 (11.3); 7.2521 (1.6); 7.2446 (1.4); 7.1479 (1.2); 7.1440 (1.1); 7.1423 (1.1); 7.1274 (1.0); 7.1236 (0.9); 4.4407 (1.0); 4.4258 (1.0); 4.4091 (2.0); 4.3941 (2.0); 4.3772 (1.0); 4.3623 (0.9); 3.7928 (16.0); 3.7819 (1.5); 2.9545 (3.8); 2.8823 (3.5); 1.5547 (3.3); 0.0078 (0.6); −0.0002 (13.9); −0.0081 (0.6)
I-579: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ =9.1158 (1.4); 9.1000 (2.8); 9.0841 (1.4); 7.9612 (2.5); 7.8691 (5.0); 7.8656 (5.2); 7.6786 (0.3); 7.6449 (11.2); 7.5071 (3.4); 7.4859 (6.1); 7.4385 (3.4); 7.4343 (3.3); 7.4175 (1.9); 7.4133 (1.9); 7.1881 (1.3); 7.1680 (3.5); 7.1483 (2.8); 7.1210 (1.7); 7.1170 (2.0); 7.0995 (2.5); 7.0828 (1.1); 7.0790 (1.0); 6.9435 (1.4); 6.9399 (1.4); 6.9243 (2.5); 6.9075 (1.3); 4.2881 (1.3); 4.2728 (1.4); 4.2542 (3.0); 4.2383 (2.9); 4.2196 (1.5); 4.2036 (1.4); 3.3146 (181.3); 2.8992 (16.0); 2.7401 (14.3); 2.5781 (27.7); 2.5137 (17.7); 2.5093 (24.2); 2.5049 (18.0); 2.1067 (0.5); 2.0938 (1.0); 2.0854 (1.2); 2.0728 (2.0); 2.0602 (1.2); 2.0518 (1.1); 2.0389 (0.6); 1.0503 (1.2); 1.0392 (3.7); 1.0338 (4.0); 1.0236 (2.2); 1.0181 (3.8); 1.0128 (4.0); 1.0027 (1.6); 0.8088 (1.5); 0.7983 (4.3); 0.7937 (4.6); 0.7858 (4.2); 0.7809 (4.6); 0.7695 (1.3)
I-580: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.0648 (0.8); 9.0502 (1.6); 9.0352 (0.9); 8.6262 (5.1); 8.3881 (2.9); 8.3761 (3.2); 8.2825 (0.4); 8.2480 (6.7); 7.9601 (2.4); 7.7911 (0.6); 7.7713 (2.0); 7.7612 (4.8); 7.7526 (4.2); 7.7301 (2.7); 7.7218 (3.6); 7.7098 (4.0); 7.6650 (1.6); 7.6451 (1.2); 7.4957 (7.6); 6.0893 (0.5); 6.0774 (0.9); 6.0641 (0.5); 5.9747 (0.5); 5.9625 (0.9); 5.9497 (0.6); 4.0095 (16.0); 3.9488 (0.5); 3.9342 (1.1); 3.9203 (1.0); 3.9094 (0.6); 3.8930 (0.6); 3.8780 (1.1); 3.8649 (1.0); 3.8539 (0.6); 3.3420 (138.3); 2.8980 (15.0); 2.7386 (13.5); 2.5141 (9.5); 2.5099 (13.1); 2.5057 (10.3)

TABLE 2-continued

I-581: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.7622 (0.6); 8.2921 (1.5); 8.1408 (5.0); 7.7252 (0.8); 7.7221 (0.8); 7.7186 (0.8); 7.6983 (0.9); 7.6955 (0.9); 7.6919 (0.9); 7.3149 (1.7); 7.2986 (9.9); 7.2880 (1.5); 7.1572 (0.5); 7.1536 (0.4); 7.1303 (1.4); 7.1015 (1.3); 7.0799 (0.9); 7.0735 (1.1); 7.0564 (1.0); 7.0510 (1.2); 7.0297 (0.5); 7.0239 (0.5); 6.8787 (0.7); 6.8725 (0.7); 6.8521 (1.1); 6.8306 (0.6); 6.8252 (0.6); 6.7357 (1.0); 6.5494 (2.1); 6.3631 (1.1); 5.3365 (4.4); 4.0522 (1.0); 4.0330 (2.2); 4.0227 (0.6); 4.0122 (2.2); 3.9925 (1.1); 3.2426 (1.4); 3.2221 (2.1); 3.2020 (1.2); 2.7366 (16.0); 2.1304 (0.4); 2.1190 (0.5); 2.1021 (0.9); 2.0846 (0.5); 2.0737 (0.5); 1.6330 (12.1); 1.0829 (0.7); 1.0677 (1.8); 1.0608 (1.9); 1.0460 (1.0); 1.0391 (1.9); 1.0325 (1.7); 1.0178 (0.8); 0.8237 (0.9); 0.8087 (2.1); 0.8029 (2.0); 0.7919 (1.8); 0.7862 (2.2); 0.7696 (0.6); 0.1059 (5.1); 0.0461 (0.4); 0.0352 (10.2); 0.0244 (0.4)

I-582: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ =9.0017 (1.4); 8.9802 (1.4); 8.3108 (3.4); 7.8172 (6.4); 7.7165 (0.6); 7.6972 (1.6); 7.6771 (1.3); 7.6353 (2.0); 7.6203 (2.9); 7.5842 (1.3); 7.5618 (1.0); 7.3143 (1.8); 7.2945 (2.1); 7.1217 (2.6); 7.1103 (1.6); 7.0905 (1.2); 5.1837 (0.7); 5.1659 (0.7); 4.9188 (2.5); 4.9044 (2.9); 4.8981 (2.8); 4.8835 (2.8); 4.5595 (1.6); 4.5510 (1.8); 4.5429 (2.2); 4.5344 (2.3); 4.5281 (1.7); 4.5195 (1.6); 4.1953 (0.3); 4.1779 (0.7); 4.1577 (1.2); 4.1401 (0.7); 3.3253 (405.8); 2.7732 (0.5); 2.7587 (1.4); 2.7445 (1.5); 2.6807 (1.1); 2.6763 (2.2); 2.6717 (3.0); 2.6672 (2.2); 2.6630 (1.0); 2.6064 (16.0); 2.5864 (0.4); 2.5421 (2.1); 2.5251 (9.5); 2.5203 (14.9); 2.5117 (183.6); 2.5073 (366.2); 2.5027 (479.1); 2.4982 (347.3); 2.4937 (168.3); 2.3386 (1.0); 2.3341 (2.1); 2.3296 (2.9); 2.3250 (2.1); 2.3206 (1.0); 2.0727 (3.1); 2.0284 (0.3); 2.0022 (0.5); 1.9938 (0.6); 1.9708 (0.4); 1.9096 (0.4); 1.8851 (0.5); 1.8649 (0.5); 1.7816 (0.9); 1.7639 (1.3); 1.7540 (1.0); 1.7409 (0.9); −0.0001 (2.5)

I-583: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.3932 (1.1); 9.3780 (2.2); 9.3630 (1.1); 8.3164 (0.4); 8.2205 (16.0); 7.7539 (0.9); 7.7344 (3.0); 7.7141 (10.2); 7.6989 (4.0); 7.6945 (2.6); 7.6893 (2.2); 7.6839 (2.0); 7.6699 (2.7); 7.6445 (2.6); 7.6399 (1.6); 7.6246 (1.6); 7.6195 (1.6); 7.6143 (1.6); 7.5944 (3.1); 7.5698 (2.7); 7.5508 (3.0); 7.5317 (1.0); 4.6487 (5.6); 4.6336 (5.6); 3.9027 (1.4); 3.3267 (116.1); 2.6798 (0.5); 2.6756 (1.0); 2.6711 (1.4); 2.6665 (1.0); 2.6621 (0.5); 2.5413 (0.9); 2.5245 (5.0); 2.5197 (7.7); 2.5111 (88.6); 2.5067 (176.0); 2.5021 (226.8); 2.4975 (161.9); 2.4930 (78.1); 2.3378 (0.4); 2.3334 (0.9); 2.3289 (1.3); 2.3244 (0.9); 2.3198 (0.4); 1.2358 (0.3); −0.0002 (1.1)

I-584: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.3947 (13.5); 8.2842 (2.8); 8.1211 (0.4); 7.9864 (1.1); 7.9687 (1.8); 7.7166 (0.5); 7.6893 (4.3); 7.6718 (9.2); 7.6689 (8.3); 7.5582 (4.3); 7.5035 (1.2); 7.4894 (1.7); 7.4768 (3.9); 7.4689 (5.4); 7.4404 (6.8); 7.4100 (5.5); 7.3323 (3.5); 7.3041 (74.2); 6.9530 (0.3); 5.3438 (4.9); 4.4044 (8.8); 4.3221 (2.2); 4.3016 (2.2); 4.2730 (5.0); 4.2529 (4.8); 4.2239 (3.1); 4.2039 (2.8); 4.1717 (0.5); 4.1522 (0.7); 3.4736 (14.1); 3.4284 (3.0); 3.1743 (2.7); 3.1660 (10.6); 2.5589 (10.9); 2.5517 (16.0); 2.0891 (0.8); 2.0518 (5.5); 1.5955 (81.4); 1.3619 (0.7); 1.3255 (0.9); 1.2984 (2.4); 0.9245 (0.6); 0.8976 (0.4); 0.2387 (0.3); 0.1123 (1.9); 0.0534 (2.9); 0.0426 (72.1); 0.0317 (2.6)

I-585: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 9.0650 (2.3); 9.0538 (2.3); 8.5377 (5.8); 8.3488 (16.0); 7.7004 (5.9); 7.6338 (0.6); 7.5975 (12.6); 7.5788 (4.3); 7.5724 (4.0); 7.5620 (1.4); 7.5548 (1.7); 7.2597 (17.6); 5.1269 (0.9); 5.1150 (1.7); 5.1016 (1.8); 5.0885 (1.8); 5.0754 (0.9); 2.9678 (3.4); 2.9526 (5.5); 2.9300 (3.6); 2.9178 (2.0); 2.9073 (1.5); 2.8976 (2.0); 2.8843 (3.2); 2.8740 (0.7); 2.0826 (1.5); 2.0644 (3.1); 2.0519 (4.1); 2.0380 (3.3); 2.0234 (1.4); 2.0131 (0.8); 1.7403 (0.9); 1.7177 (1.1); 1.7134 (1.2); 1.7082 (1.2); 1.7002 (1.2); 1.6914 (1.7); 1.6818 (1.4); 1.6736 (1.2); 1.6681 (1.3); 1.6580 (1.2); 1.6416 (1.2); 1.6207 (0.9); 1.4319 (1.1); −0.0002 (5.0)

I-586: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.2672 (16.0); 8.0157 (2.0); 7.6332 (1.6); 7.4803 (2.7); 7.4783 (2.8); 7.4763 (2.6); 7.4602 (3.6); 7.4582 (3.7); 7.3465 (3.9); 7.3261 (7.1); 7.3059 (3.5); 7.2718 (4.2); 7.2666 (7.2); 7.2594 (33.2); 7.0684 (3.1); 7.0646 (3.0); 7.0627 (2.9); 7.0495 (2.5); 7.0478 (2.7); 7.0440 (2.6); 6.7315 (3.1); 6.7272 (3.5); 6.7116 (4.1); 6.7074 (4.6); 6.6508 (2.3); 6.6467 (2.6); 6.6321 (4.8); 6.6281 (4.1); 6.5951 (5.4); 6.5757 (6.0); 6.5566 (2.4); 4.2084 (2.6); 4.2040 (5.0); 4.1994 (4.0); 4.1945 (6.7); 4.1906 (9.7); 4.1768 (9.6); 4.1730 (7.0); 4.1683 (4.1); 4.1636 (5.1); 4.1592 (2.8); 3.8102 (2.6); 3.7948 (5.8); 3.7785 (5.8); 3.7636 (2.8); 2.9538 (16.0); 2.9410 (5.0); 2.9244 (8.3); 2.9081 (4.6); 2.8818 (14.3); 1.5526 (12.4); 0.0078 (1.4); −0.0002 (39.6); −0.0083 (1.9)

I-587: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.1806 (1.5); 9.1651 (3.1); 9.1493 (1.5); 7.9610 (2.7); 7.9485 (14.4); 7.7596 (5.2); 7.7552 (5.4); 7.5673 (4.8); 7.5460 (5.5); 7.3623 (2.6); 7.3426 (5.5); 7.3229 (3.2); 7.2681 (3.0); 7.2635 (3.0); 7.2470 (2.6); 7.2422 (2.6); 7.0315 (3.4); 7.0116 (3.0); 6.9575 (2.6); 6.9534 (2.9); 6.9373 (2.2); 6.9333 (2.7); 6.8965 (4.0); 6.8920 (5.5); 4.2868 (1.5); 4.2711 (1.6); 4.2524 (3.3); 4.2366 (3.2); 4.2177 (1.7); 4.2018 (1.6); 3.3139 (159.6); 2.8991 (16.0); 2.7401 (14.4); 2.5135 (16.8); 2.5092 (22.7); 2.5049 (16.8); 2.0073 (0.6); 1.9943 (1.2); 1.9860 (1.4); 1.9736 (2.5); 1.9610 (1.5); 1.9527 (1.4); 1.9398 (0.7); 1.0145 (1.5); 1.0035 (4.4); 0.9981 (4.8); 0.9877 (2.4); 0.9826 (4.6); 0.9773 (4.5); 0.9670 (1.7); 0.7156 (1.7); 0.7047 (5.2); 0.7001 (5.2); 0.6925 (4.9); 0.6876 (5.4); 0.6763 (1.5)

I-588: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.0499 (0.8); 9.0353 (1.6); 9.0201 (0.9); 8.6250 (5.0); 8.3877 (2.8); 8.3757 (3.1); 8.2507 (6.8); 7.9605 (2.4); 7.7880 (0.6); 7.7685 (1.8); 7.7475 (4.0); 7.7237 (4.8); 7.7111 (3.7); 7.6629 (1.6); 7.6407 (3.9); 7.5820 (2.3); 7.5610 (2.9); 7.3782 (1.7); 7.3734 (1.7); 7.3573 (1.5); 7.3524 (1.4); 6.1043 (0.5); 6.0920 (0.9); 6.0791 (0.5); 5.9892 (0.5); 5.9765 (0.9); 5.9639 (0.6); 4.0088 (16.0); 3.9774 (0.4); 3.9566 (0.6); 3.9407 (1.2); 3.9263 (1.2); 3.9137 (0.6); 3.9012 (0.6); 3.8853 (1.2); 3.8707 (1.1); 3.8587 (0.6); 3.3232 (105.9); 2.8985 (14.1); 2.7395 (12.9); 2.5132 (9.0); 2.5092 (12.2); 2.5050 (9.4)

I-589: ^{1}H-NMR(601.6 MHz, CD3CN):
δ = 9.2049 (1.2); 8.2135 (16.0); 7.8156 (1.3); 7.7086 (1.5); 7.6955 (4.3); 7.6822 (3.9); 7.6664 (5.4); 7.6533 (2.3); 7.6443 (1.4); 7.6312 (0.7); 7.6196 (0.4); 7.5903 (4.9); 7.5506 (1.7); 7.5352 (0.5); 7.5202 (2.9); 7.5070 (2.4); 7.4891 (1.1); 7.4828 (6.5); 7.4729 (1.5); 7.4688 (7.2); 7.4615 (2.1); 7.4590 (1.3); 7.4473 (2.6); 7.4444 (5.0); 7.4422 (5.8); 7.4413 (5.8); 7.4391 (4.9); 7.4324 (1.9); 7.4303 (1.8); 7.4271 (1.4); 7.2509 (4.0); 7.2474 (3.9); 7.2369 (3.8); 7.2335 (3.6); 7.2260 (0.5); 7.2226 (0.6); 7.2199 (0.5); 7.2118 (0.4); 7.2085 (0.4); 7.2034 (1.1); 7.2000 (1.0); 7.1895 (1.0); 7.1860 (0.9); 7.1320 (0.5); 7.0672 (0.8); 7.0487 (4.1); 6.9778 (1.8); 6.9583 (7.8); 6.8885 (0.9); 6.8680 (3.8); 6.0730 (1.4); 6.0661 (1.6); 6.0631 (1.6); 6.0563 (1.5); 6.0304 (0.5); 6.0238 (0.6); 6.0209 (0.6); 6.0141 (0.5); 5.9967 (1.4); 5.9899 (1.6); 5.9868 (1.7); 5.9800 (1.5); 5.9542 (0.4); 5.9476 (0.5); 5.9446 (0.6); 5.9379 (0.5); 4.0246 (0.8);

TABLE 2-continued

4.0178 (0.9); 4.0142 (1.0); 4.0075 (1.0); 4.0005 (1.4); 3.9937 (1.4); 3.9901 (1.6); 3.9881 (1.3); 3.9833 (1.7); 3.9777 (1.3); 3.9710 (1.1); 3.9638 (1.5); 3.9570 (1.4); 3.9534 (1.4); 3.9508 (0.6); 3.9466 (1.4); 3.9402 (0.8); 3.9363 (1.4); 3.9295 (0.9); 3.9262 (2.5); 3.9193 (0.6); 3.9160 (1.5); 3.9122 (0.9); 3.9049 (0.6); 3.9020 (1.6); 3.8989 (1.6); 3.8949 (0.5); 3.8916 (1.2); 3.8886 (2.7); 3.8784 (1.4); 3.8747 (1.1); 3.8645 (1.6); 3.8544 (0.8); 3.5400 (0.4); 2.3743 (0.8); 2.1284 (169.7); 2.0262 (0.4); 2.0221 (0.5); 2.0180 (0.3); 1.9358 (3.0); 1.9277 (1.9); 1.9235 (2.4); 1.9197 (25.4); 1.9156 (46.7); 1.9115 (69.1); 1.9074 (48.2); 1.9033 (25.3); 1.7968 (0.4); 1.5046 (0.3); 1.2430 (1.2)

I-590: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5655 (1.7); 7.5397 (2.7); 7.5165 (1.6); 7.4768 (2.2); 7.4488 (2.8); 7.4325 (1.9); 7.4279 (2.4); 7.4222 (1.9); 7.3555 (1.0); 7.3281 (1.4); 7.2986 (6.0); 7.2650 (1.8); 7.2583 (1.7); 7.2371 (1.4); 7.2304 (1.3); 6.5175 (0.5); 6.4977 (0.9); 6.4787 (0.5); 6.1064 (0.5); 6.0958 (0.6); 6.0835 (0.6); 6.0730 (0.5); 5.9513 (0.5); 5.9407 (0.6); 5.9285 (0.6); 5.9179 (0.5); 5.3350 (0.5); 4.2199 (0.4); 4.2091 (0.4); 4.1982 (0.4); 4.1873 (0.4); 4.1816 (0.4); 4.1325 (0.4); 4.1216 (0.4); 4.1108 (0.4); 4.1000 (0.4); 3.9944 (0.4); 3.9744 (0.5); 3.9519 (0.4); 3.9457 (0.3); 3.9216 (0.6); 3.9012 (0.7); 3.8780 (0.4); 3.8717 (0.3); 3.8515 (0.4); 2.6274 (15.6); 2.4494 (0.4); 2.3354 (16.0); 2.0769 (0.4); 1.3033 (0.5); 1.2935 (0.5); 0.9184 (0.5); 0.0364 (3.6)

I-591: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.2041 (1.7); 9.1830 (1.8); 8.1809 (6.8); 7.9603 (2.5); 7.3602 (3.3); 7.3211 (0.4); 7.2958 (7.4); 7.2751 (0.4); 7.2513 (0.6); 7.2304 (1.6); 7.2093 (1.3); 7.1749 (1.1); 7.1571 (1.6); 7.1382 (0.7); 6.9819 (0.9); 6.9788 (0.9); 6.9622 (1.7); 6.9450 (0.9); 5.1557 (0.4); 5.1398 (0.9); 5.1229 (1.0); 5.1043 (0.4); 3.9050 (16.0); 3.3295 (19.5); 2.8978 (14.4); 2.7893 (0.6); 2.7717 (1.7); 2.7573 (1.8); 2.7384 (13.9); 2.7141 (0.4); 2.5126 (10.5); 2.5088 (13.4); 2.0379 (0.3); 2.0232 (0.5); 2.0119 (0.5); 1.9938 (0.8); 1.9799 (0.5); 1.9053 (0.4); 1.8951 (0.6); 1.8794 (0.6); 1.8619 (0.6); 1.8400 (0.5); 1.8171 (0.8); 1.7975 (1.2); 1.7873 (1.5); 1.7730 (1.1)

I-592: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 8.9659 (1.0); 8.9459 (1.1); 8.3108 (16.0); 7.8048 (4.7); 7.7153 (0.5); 7.6947 (1.1); 7.6747 (1.0); 7.6347 (1.4); 7.6182 (2.4); 7.5807 (1.0); 7.5588 (0.8); 7.2358 (1.4); 7.2159 (1.5); 6.9337 (2.3); 6.9106 (1.0); 5.1567 (0.5); 5.1373 (0.6); 3.4867 (0.4); 3.4469 (0.7); 3.4258 (1.0); 3.4039 (1.1); 3.3771 (1.2); 3.3257 (2037.8); 3.2781 (0.8); 2.7237 (0.9); 2.7085 (1.0); 2.6948 (0.7); 2.6805 (4.4); 2.6762 (9.4); 2.6716 (13.0); 2.6670 (9.6); 2.6626 (4.5); 2.6031 (11.9); 2.5251 (40.8); 2.5204 (62.5); 2.5117 (793.6); 2.5072 (1605.9); 2.5027 (2116.2); 2.4981 (1533.9); 2.4935 (743.0); 2.3637 (0.7); 2.3386 (4.6); 2.3340 (9.5); 2.3295 (13.2); 2.3249 (9.6); 2.3204 (4.5); 2.2621 (0.6); 2.2500 (1.0); 2.2440 (1.3); 2.2302 (1.0); 2.2233 (1.6); 2.2156 (0.9); 2.2009 (0.7); 2.1756 (0.5); 2.0728 (2.1); 2.0556 (0.5); 2.0503 (0.5); 2.0299 (0.8); 2.0041 (1.1); 1.9856 (1.9); 1.9806 (1.3); 1.9690 (1.6); 1.9504 (1.1); 1.9251 (0.6); 1.9091 (0.5); 1.8660 (0.6); 1.8452 (0.5); 1.8008 (0.5); 1.7831 (1.0); 1.7653 (1.0); 1.7444 (1.1); 1.2356 (0.6); 0.0079 (0.4); −0.0002 (9.5); -2.6466 (0.3)

I-593: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.3317 (10.0); 8.0869 (1.4); 8.0187 (2.3); 7.8923 (1.1); 7.8723 (1.1); 7.5807 (4.7); 7.5679 (6.8); 7.5397 (0.5); 7.5189 (0.7); 7.4766 (3.7); 7.4428 (0.5); 7.4324 (1.4); 7.4216 (2.0); 7.4170 (1.7); 7.4104 (1.3); 7.4038 (0.9); 7.3216 (0.6); 7.2590 (24.1); 7.2309 (0.3); 7.1925 (4.0); 7.1798 (4.2); 6.7883 (4.4); 6.7755 (4.1); 5.4852 (0.6); 5.4704 (1.4); 5.4519 (1.2); 5.4410 (0.6); 2.9566 (16.0); 2.8838 (15.0); 2.6752 (3.4); 2.6620 (2.0); 2.6184 (0.6); 2.3528 (0.4); 2.3403 (0.5); 2.3292 (1.4); 2.3164 (1.0); 2.3121 (1.0); 2.2909 (0.7); 2.2704 (0.6); 1.9141 (2.6); 1.9030 (4.3); 1.8990 (4.5); 1.8909 (3.2); 1.5892 (0.9); 1.4319 (3.4); −0.0002 (6.7)

I-594: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.1476 (1.4); 9.1333 (2.7); 9.1182 (1.3); 8.1096 (0.5); 8.0712 (12.8); 7.9610 (2.4); 7.7626 (5.6); 7.5289 (0.9); 7.5249 (0.8); 7.5079 (5.6); 7.5037 (6.4); 7.4994 (8.7); 7.4783 (1.3); 7.2096 (0.9); 7.1890 (3.8); 7.1820 (2.3); 7.1727 (6.6); 7.1657 (2.4); 7.1608 (2.4); 7.1455 (0.7); 7.1404 (0.5); 6.9749 (1.2); 6.9657 (1.2); 6.9588 (2.0); 6.9522 (2.0); 6.9395 (1.2); 6.9344 (1.0); 6.0612 (0.9); 6.0499 (1.4); 6.0361 (0.9); 5.9459 (0.9); 5.9348 (1.4); 5.9207 (1.0); 3.9104 (0.8); 3.8957 (2.1); 3.8825 (1.6); 3.8724 (1.1); 3.8531 (1.0); 3.8381 (2.2); 3.8235 (1.8); 3.8136 (0.9); 3.3138 (168.1); 2.8991 (16.0); 2.7400 (14.2); 2.5136 (17.6); 2.5092 (23.9); 2.5049 (17.7); 2.1141 (0.5); 2.1013 (1.0); 2.0928 (1.1); 2.0803 (2.0); 2.0675 (1.2); 2.0592 (1.1); 2.0464 (0.5); 1.0550 (1.2); 1.0440 (3.6); 1.0386 (3.9); 1.0284 (2.1); 1.0230 (3.6); 1.0176 (3.8); 1.0075 (1.5); 0.8123 (1.5); 0.8018 (4.1); 0.7972 (4.4); 0.7892 (4.0); 0.7843 (4.3); 0.7731 (1.2)

I-595: ^{1}H-NMR(601.6 MHz, CD3CN):
δ = 9.2569 (16.0); 8.0574 (1.0); 7.7494 (2.2); 7.7362 (6.2); 7.7230 (4.9); 7.7011 (5.8); 7.6881 (3.1); 7.6072 (8.0); 7.6065 (8.2); 7.6037 (5.7); 7.5486 (3.6); 7.5476 (3.9); 7.5469 (3.8); 7.5459 (3.6); 7.5448 (3.5); 7.5352 (3.2); 7.5344 (3.3); 7.5334 (3.3); 7.5324 (3.1); 7.5315 (3.0); 7.5305 (2.9); 7.5179 (9.5); 7.5039 (10.7); 7.4895 (6.9); 7.4873 (7.8); 7.4861 (8.0); 7.4840 (7.2); 7.2600 (6.3); 7.2565 (6.2); 7.2460 (5.6); 7.2425 (5.6); 7.1221 (5.1); 7.0327 (11.2); 6.9435 (5.6); 6.0867 (2.1); 6.0802 (2.3); 6.0768 (2.4); 6.0703 (2.2); 6.0104 (2.1); 6.0040 (2.3); 6.0006 (2.4); 5.9941 (2.2); 4.0687 (1.2); 4.0623 (1.2); 4.0585 (1.2); 4.0521 (1.2); 4.0444 (2.3); 4.0379 (2.3); 4.0341 (2.3); 4.0310 (1.5); 4.0277 (2.4); 4.0246 (1.3); 4.0208 (1.4); 4.0143 (1.2); 4.0066 (2.4); 4.0002 (2.2); 3.9964 (4.5); 3.9899 (2.3); 3.9862 (3.7); 3.9760 (2.3); 3.9721 (1.4); 3.9618 (2.0); 3.9569 (2.3); 3.9516 (1.3); 3.9466 (3.7); 3.9364 (2.2); 3.9325 (1.4); 3.9222 (2.0); 3.9120 (1.2); 2.5362 (1.5); 2.2025 (335.7); 2.1155 (0.9); 2.1035 (0.4); 2.0949 (0.3); 2.0867 (0.6); 2.0826 (1.0); 2.0786 (1.3); 2.0745 (0.9); 2.0703 (0.5); 1.9923 (18.4); 1.9842 (5.2); 1.9800 (5.6); 1.9762 (70.3); 1.9721 (129.8); 1.9680 (177.6); 1.9638 (126.8); 1.9597 (65.8); 1.9551 (2.1); 1.9509 (1.1); 1.8614 (0.4); 1.8573 (0.8); 1.8532 (1.2); 1.8492 (0.8); 1.8450 (0.4); 1.6599 (0.6); 1.5004 (0.5); 1.4186 (0.8); 1.2993 (0.7)

I-596: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 7.5458 (2.6); 7.5367 (3.0); 7.5298 (3.0); 7.5158 (5.8); 7.4715 (0.4); 7.4281 (3.8); 7.3796 (2.0); 7.3661 (2.1); 7.2558 (2.1); 7.0468 (2.4); 7.0312 (3.0); 7.0120 (1.3); 6.9589 (4.6); 6.8645 (2.5); 6.8502 (2.1); 6.1944 (0.7); 6.0500 (1.0); 6.0399 (1.6); 5.2892 (0.4); 3.7628 (1.9); 3.7497 (4.4); 3.7371 (4.5); 3.7245 (2.0); 3.0628 (1.6); 3.0480 (4.1); 3.0331 (4.1); 3.0182 (1.6); 2.9471 (3.0); 2.9337 (5.4); 2.9206 (3.2); 2.2942 (15.4); 2.2877 (9.5); 2.2497 (16.0); 2.1681 (0.7); 1.5881 (0.8); 1.4000 (0.4); 1.3851 (0.6); 1.3579 (4.5); 1.3431 (8.3); 1.3282 (4.2); 1.2583 (0.5); 1.2520 (0.4); −0.0002 (2.0)

I-597: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.8980 (5.7); 7.8736 (0.4); 7.8547 (0.6); 7.8359 (0.4); 7.7172 (1.7); 7.7091 (1.3); 7.7005 (3.2); 7.6973 (3.3); 7.5608 (1.5); 7.5302 (2.0); 7.5011 (3.9); 7.4934 (1.5); 7.4866 (1.1); 7.4766 (0.8); 7.4680

TABLE 2-continued

(0.5); 7.4370 (3.4); 7.4089 (1.8); 7.2982 (7.6); 4.2956 (1.0); 4.2755 (0.9); 4.2477 (2.0); 4.2276 (1.9); 4.1998 (1.0); 4.1797 (1.0); 2.8443 (16.0); 1.5892 (5.8); 0.0369 (7.6)

I-598: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.2758 (1.7); 9.2601 (3.6); 9.2444 (1.9); 8.0059 (16.0); 7.9616 (1.3); 7.7558 (5.8); 7.7514 (6.2); 7.5949 (5.5); 7.5735 (6.4); 7.2861 (3.4); 7.2814 (3.5); 7.2651 (3.1); 7.2602 (3.1); 7.2066 (1.6); 7.1870 (4.4); 7.1672 (3.7); 7.1409 (2.2); 7.1369 (2.6); 7.1196 (3.2); 7.1027 (1.5); 7.0990 (1.4); 6.9755 (1.8); 6.9720 (1.9); 6.9564 (3.2); 6.9394 (1.7); 4.3046 (1.7); 4.2889 (1.8); 4.2701 (3.8); 4.2544 (3.8); 4.2357 (2.1); 4.2197 (1.9); 3.3140 (192.8); 2.8994 (7.2); 2.7405 (6.5); 2.5137 (20.5); 2.5094 (28.1); 2.5051 (21.4); 2.1139 (0.6); 2.1009 (1.2); 2.0925 (1.4); 2.0799 (2.6); 2.0673 (1.7); 2.0590 (1.5); 2.0462 (0.8); 1.0576 (1.5); 1.0465 (4.6); 1.0412 (5.1); 1.0307 (2.8); 1.0254 (4.9); 1.0201 (5.1); 1.0099 (2.2); 0.8149 (1.9); 0.8041 (5.4); 0.7997 (5.8); 0.7917 (5.5); 0.7869 (6.0); 0.7754 (1.9)

I-599: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.1950 (1.7); 9.1806 (3.2); 9.1688 (1.9); 8.8569 (6.9); 8.8514 (7.2); 8.7188 (3.7); 8.7123 (3.9); 8.7065 (4.3); 8.7025 (4.0); 8.7000 (4.0); 8.1989 (8.0); 8.1950 (7.7); 8.1920 (7.8); 8.0712 (0.7); 8.0642 (0.7); 7.9604 (4.0); 7.8050 (1.0); 7.7834 (3.1); 7.7485 (11.0); 7.7238 (5.9); 7.7193 (5.4); 7.7114 (4.6); 7.7068 (4.5); 7.6633 (4.0); 7.6448 (2.9); 7.5762 (4.7); 7.5556 (9.4); 7.5230 (9.3); 7.5061 (5.3); 4.1906 (1.5); 4.1759 (1.7); 4.1572 (3.3); 4.1428 (3.3); 4.1255 (2.1); 4.1098 (2.0); 3.3414 (145.0); 3.3374 (142.9); 3.3348 (144.3); 2.9019 (15.6); 2.8974 (15.6); 2.8959 (16.0); 2.7422 (14.7); 2.7378 (15.4); 2.7366 (15.5); 2.5099 (28.4); 1.2440 (0.4)

I-600: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.2625 (1.4); 9.2423 (1.5); 8.1044 (6.2); 7.9607 (1.4); 7.3865 (1.1); 7.3663 (2.3); 7.3462 (1.3); 6.8820 (1.1); 6.8777 (1.4); 6.8568 (1.6); 6.8397 (7.6); 6.8167 (1.5); 5.1257 (0.8); 5.1075 (0.8); 5.0921 (0.4); 3.7671 (16.0); 3.3300 (15.4); 2.8982 (8.6); 2.7388 (8.0); 2.5457 (0.6); 2.5302 (1.6); 2.5134 (9.4); 2.5092 (11.6); 2.5050 (8.9); 2.0517 (0.5); 2.0392 (0.6); 2.0306 (0.6); 2.0178 (0.5); 1.9038 (0.4); 1.8917 (0.4); 1.8784 (0.6); 1.8571 (0.5); 1.8425 (0.5); 1.8227 (0.6); 1.8038 (0.6); 1.7910 (1.0); 1.7766 (1.2)

I-601: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.3411 (0.4); 8.3036 (8.0); 7.7790 (1.0); 7.6751 (0.5); 7.6579 (5.4); 7.6497 (2.4); 7.6370 (2.4); 7.6106 (0.6); 7.3808 (2.6); 7.3317 (1.1); 7.3246 (1.5); 7.3096 (1.4); 7.3022 (3.7); 7.2943 (0.8); 7.2123 (4.6); 7.1856 (5.6); 6.9322 (4.5); 6.9060 (3.7); 5.3366 (2.0); 3.6945 (5.9); 3.6771 (5.8); 2.3934 (0.3); 2.2062 (16.0); 1.6721 (1.2); 1.2995 (0.4); 0.9864 (0.3); 0.9543 (8.0); 0.9447 (8.0); 0.9119 (0.4); 0.1177 (0.5); 0.0426 (2.1)

I-602: ^{1}H-NMR(300.1 MHz, CDCl3):
δ = 9.1779 (0.8); 8.0086 (7.3); 7.9840 (0.4); 7.6066 (0.6); 7.5614 (3.5); 7.5184 (0.6); 7.4965 (5.5); 7.4737 (2.1); 7.4474 (0.6); 7.4088 (1.6); 7.3860 (2.6); 7.3311 (1.3); 7.3076 (2.3); 7.2799 (1.8); 7.2607 (102.6); 7.2168 (4.4); 7.1886 (3.4); 7.1634 (2.3); 7.0760 (2.2); 7.0510 (1.5); 6.9096 (0.5); 4.0866 (16.0); 3.9056 (2.4); 3.4898 (0.9); 3.1938 (1.9); 3.1722 (2.9); 3.1519 (1.7); 2.0078 (0.6); 1.6068 (8.6); 0.1955 (0.4); 0.0106 (4.4); −0.0001 (85.7); −0.0111 (3.0); −0.1988 (0.4)

I-603: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.4021 (9.1); 8.0709 (1.0); 7.9036 (2.9); 7.8916 (1.6); 7.8754 (4.3); 7.8599 (1.9); 7.8397 (4.4); 7.8101 (1.7); 7.6526 (0.3); 7.6261 (5.4); 7.6089 (4.5); 7.5802 (0.5); 7.5614 (0.8); 7.5578 (0.7); 7.5477 (4.6); 7.5385 (2.9); 7.5350 (2.8); 7.5243 (4.3); 7.5162 (8.6); 7.4893 (2.0); 7.4838 (1.8); 7.4527 (1.2); 7.4447 (1.3); 7.4339 (1.6); 7.4277 (1.4); 7.4223 (0.9); 7.4143 (0.7); 7.3040 (13.9); 4.9408 (5.6); 4.9216 (5.6); 1.6062 (16.0); 1.3276 (0.4); 1.2989 (1.5); 0.1149 (0.5); 0.0547 (0.5); 0.0440 (13.2); 0.0331 (0.6)

I-604: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5222 (1.6); 7.5018 (4.7); 7.4990 (4.0); 7.4850 (0.4); 7.4814 (0.4); 7.4416 (2.2); 7.3985 (0.9); 7.3885 (1.5); 7.3810 (1.2); 7.3737 (2.5); 7.3601 (0.7); 7.3470 (2.4); 7.2987 (1.5); 7.0767 (2.4); 6.9897 (1.3); 6.9610 (1.5); 6.9367 (1.2); 6.9161 (0.6); 4.2415 (1.0); 4.2206 (0.9); 4.1923 (2.0); 4.1714 (2.0); 4.1431 (1.0); 4.1222 (1.0); 2.5559 (16.0); 2.5119 (6.9); 2.3596 (0.4); 2.3250 (9.2); 2.2189 (15.8); 1.7781 (1.3); 1.2966 (0.4); 0.0375 (1.3)

I-605: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.9255 (5.6); 7.8860 (0.4); 7.8685 (0.7); 7.8499 (0.4); 7.7239 (1.5); 7.7165 (1.2); 7.7119 (1.3); 7.7051 (3.6); 7.7024 (3.6); 7.6900 (0.4); 7.5903 (2.7); 7.5861 (2.5); 7.5767 (1.8); 7.5167 (0.7); 7.5060 (1.0); 7.4989 (1.0); 7.4863 (0.8); 7.4782 (0.5); 7.4316 (0.4); 7.4036 (2.8); 7.3951 (4.4); 7.3668 (0.4); 7.2988 (7.6); 6.1374 (0.5); 6.1267 (0.6); 6.1132 (0.6); 6.1024 (0.5); 5.9816 (0.5); 5.9709 (0.6); 5.9574 (0.6); 5.9467 (0.5); 4.3399 (0.3); 4.3293 (0.3); 4.3173 (0.3); 4.3066 (0.4); 4.2482 (0.3); 4.2255 (0.4); 4.2147 (0.3); 4.1924 (0.7); 4.1685 (2.2); 4.1447 (2.2); 4.1210 (0.8); 3.8885 (0.4); 3.8810 (0.4); 3.8641 (0.4); 3.8567 (0.3); 3.8366 (0.5); 3.8193 (0.4); 3.8148 (0.4); 3.7953 (0.3); 2.8442 (16.0); 2.0812 (10.0); 1.6028 (6.0); 1.3192 (2.6); 1.2954 (5.1); 1.2716 (2.5); 0.0358 (7.6)

I-606: ^{1}H-NMR(300.2 MHz, CDCl3):
δ =8.2101 (5.0); 7.9827 (0.6); 7.9558 (0.6); 7.6176 (1.4); 7.5982 (3.8); 7.5949 (3.6); 7.5234 (1.7); 7.4740 (0.7); 7.4637 (1.1); 7.4565 (0.9); 7.4434 (0.7); 7.4362 (0.4); 7.2997 (18.2); 6.6290 (4.6); 5.4034 (0.6); 5.3791 (0.6); 2.7810 (16.0); 2.6205 (1.4); 2.6075 (1.3); 2.3103 (0.6); 2.2974 (0.5); 2.2838 (0.4); 2.2674 (0.4); 2.0843 (0.9); 1.9342 (1.3); 1.9244 (1.2); 1.9147 (2.6); 1.9031 (1.3); 1.8954 (1.3); 1.5851 (8.8); 1.2987 (0.5); 0.0501 (0.7); 0.0393 (19.1); 0.0283 (0.7)

I-607: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.2742 (1.7); 9.2589 (3.6); 9.2433 (1.8); 8.0491 (0.6); 8.0056 (16.0); 7.9611 (1.6); 7.8688 (6.0); 7.8651 (6.4); 7.5149 (4.7); 7.4937 (7.0); 7.4142 (3.9); 7.4098 (3.9); 7.3931 (2.8); 7.3889 (2.8); 7.2093 (1.5); 7.1895 (4.3); 7.1696 (3.6); 7.1424 (2.2); 7.1383 (2.5); 7.1211 (3.2); 7.1041 (1.5); 7.1007 (1.3); 6.9772 (1.7); 6.9734 (1.8); 6.9579 (3.2); 6.9408 (1.7); 4.2992 (1.6); 4.2839 (1.8); 4.2650 (3.7); 4.2493 (3.6); 4.2306 (2.0); 4.2148 (1.9); 3.3147 (242.4); 2.8993 (9.2); 2.7404 (8.2); 2.5138 (22.7); 2.5094 (31.4); 2.5050 (23.7); 2.1169 (0.5); 2.1045 (1.2); 2.0963 (1.4); 2.0835 (2.5); 2.0709 (1.6); 2.0627 (1.5); 2.0499 (0.8); 1.0592 (1.5); 1.0482 (4.5); 1.0429 (5.0); 1.0325 (2.8); 1.0271 (4.8); 1.0218 (5.1); 1.0116 (2.1); 0.9955 (0.5); 0.8181 (1.9); 0.8075 (5.3); 0.8029 (5.7); 0.7950 (5.4); 0.7902 (5.8); 0.7788 (2.0)

I-608: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.3503 (1.6); 9.3303 (1.7); 8.1314 (6.9); 7.9605 (2.4); 7.2505 (0.6); 7.2298 (1.6); 7.2267 (1.6); 7.2059 (1.2); 7.1720 (1.2); 7.1542 (1.6); 7.1354 (0.7); 6.9856 (0.9); 6.9823 (0.9); 6.9659 (1.6); 6.9486 (0.9); 6.8442 (5.9); 5.1522 (0.4); 5.1371 (0.9); 5.1192 (0.9); 5.1060 (0.4); 3.9017 (16.0); 3.3301

TABLE 2-continued

(17.0); 2.8981 (14.2); 2.7387 (13.1); 2.5520 (0.7); 2.5367 (1.7); 2.5131 (9.3); 2.5091 (12.3); 2.5053 (9.5); 2.0748 (0.5); 2.0554 (0.7); 2.0440 (0.6); 2.0357 (0.6); 1.9216 (0.4); 1.9069 (0.5); 1.8922 (0.7); 1.8694 (0.7); 1.8496 (0.8); 1.8325 (0.6); 1.8275 (0.6); 1.8169 (0.6); 1.8007 (1.0); 1.7783 (0.6); 1.7570 (0.5); 1.7415 (0.4)

I-609: ^{1}H-NMR(300.1 MHz, CDCl3):
δ = 8.2839 (16.0); 7.6294 (1.5); 7.6171 (8.8); 7.6138 (9.6); 7.6090 (4.4); 7.6040 (4.0); 7.5944 (4.6); 7.5681 (0.9); 7.3713 (3.9); 7.2691 (1.8); 7.2610 (13.7); 7.2484 (2.2); 7.2412 (2.3); 7.2315 (1.2); 7.2150 (0.3); 7.2024 (0.9); 7.1932 (6.7); 7.1647 (8.3); 6.9321 (7.5); 6.9036 (6.0); 6.6175 (3.6); 6.3717 (7.5); 6.1260 (3.8); 3.8312 (2.2); 3.8095 (5.0); 3.7898 (5.0); 3.7676 (2.4); 2.9671 (3.9); 2.9447 (7.1); 2.9224 (3.5); 0.0000 (2.4)

I-610: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.7542 (0.9); 8.7511 (1.2); 8.7490 (1.2); 8.7459 (1.0); 8.7381 (1.0); 8.7349 (1.2); 8.7328 (1.2); 8.7296 (1.0); 7.8912 (0.8); 7.8854 (0.8); 7.8654 (1.6); 7.8596 (1.6); 7.8395 (1.0); 7.8337 (0.9); 7.5691 (1.1); 7.5436 (3.4); 7.5372 (2.0); 7.5194 (2.5); 7.5138 (1.9); 7.4907 (2.0); 7.4874 (1.5); 7.4831 (1.2); 7.4754 (1.6); 7.4680 (1.7); 7.4648 (2.0); 7.4613 (1.4); 7.4510 (0.9); 7.4432 (0.7); 7.4384 (1.2); 7.4347 (1.1); 7.4220 (1.1); 7.4184 (1.1); 7.4128 (1.0); 7.4091 (0.9); 7.3964 (1.0); 7.3928 (0.9); 7.2989 (3.0); 7.2353 (1.6); 7.2086 (2.0); 7.0186 (1.9); 6.9439 (1.1); 6.9172 (0.9); 6.6959 (0.5); 6.6759 (0.9); 6.6560 (0.5); 3.9897 (0.9); 3.9691 (0.8); 3.9399 (1.9); 3.9193 (1.8); 3.8901 (1.0); 3.8695 (0.9); 2.5154 (16.0); 2.3953 (5.7); 2.3881 (3.2); 2.2920 (7.7); 2.0770 (0.5); 1.8400 (7.6); 1.3029 (0.8); 1.2928 (0.7); 0.9179 (0.9); 0.8947 (0.3); 0.0363 (2.2)

I-611: ^{1}H-NMR(300.1 MHz, CDCl3):
δ = 9.7840 (0.7); 8.3739 (1.6); 8.3598 (1.7); 7.9784 (8.7); 7.7873 (0.7); 7.7822 (0.7); 7.7614 (1.5); 7.7565 (1.5); 7.7359 (0.9); 7.7307 (0.9); 7.4589 (0.8); 7.4333 (2.9); 7.4261 (2.7); 7.3985 (2.5); 7.3901 (2.6); 7.3636 (2.1); 7.2796 (2.6); 7.2603 (9.6); 7.2539 (4.0); 7.2377 (1.2); 7.2198 (1.3); 7.2141 (1.2); 7.1961 (1.0); 7.1295 (1.9); 7.1036 (1.4); 6.9939 (1.4); 6.9682 (1.4); 6.9460 (2.5); 6.8102 (3.1); 3.8291 (1.2); 3.8136 (2.2); 3.7943 (2.1); 3.7882 (2.3); 3.7732 (1.5); 3.0046 (2.4); 2.9831 (3.0); 2.9628 (2.2); 2.2310 (16.0); 0.0102 (0.4); −0.0005 (9.2)

I-612: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.1394 (0.8); 8.0861 (5.5); 8.0156 (0.7); 7.5346 (3.0); 7.3549 (1.2); 7.3351 (2.8); 7.3236 (7.8); 7.3159 (2.3); 7.2599 (11.0); 7.0184 (1.6); 6.9988 (1.5); 6.9697 (1.2); 6.9659 (1.4); 6.9496 (1.0); 6.9457 (1.3); 6.9116 (1.9); 6.9073 (2.5); 6.0578 (0.6); 6.0495 (0.7); 6.0409 (0.7); 6.0327 (0.6); 5.9417 (0.6); 5.9333 (0.7); 5.9248 (0.7); 5.9165 (0.6); 4.2221 (0.4); 4.2137 (0.4); 4.2058 (0.4); 4.1971 (0.4); 4.1777 (0.3); 4.1574 (0.4); 4.1490 (0.4); 4.1411 (0.4); 4.1328 (0.4); 3.8585 (0.3); 3.8450 (0.4); 3.8420 (0.4); 3.8283 (0.4); 3.8044 (0.6); 3.7900 (0.6); 3.7727 (0.4); 3.7664 (0.4); 3.7529 (0.4); 3.7499 (0.4); 2.9537 (5.1); 2.8820 (4.6); 2.7071 (16.0); 1.9560 (0.6); 1.9475 (0.7); 1.9351 (1.2); 1.9227 (0.7); 1.9141 (0.7); 1.9013 (0.3); 1.5659 (12.5); 1.0220 (0.7); 1.0101 (2.1); 1.0055 (2.3); 0.9940 (1.2); 0.9891 (2.2); 0.9845 (2.1); 0.9733 (0.9); 0.7530 (0.8); 0.7412 (2.7); 0.7374 (2.4); 0.7290 (2.3); 0.7249 (2.8); 0.7127 (0.8); −0.0002 (2.3)

I-613: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.1350 (1.0); 9.0646 (0.7); 8.7270 (1.1); 8.7133 (2.4); 8.6995 (1.5); 7.9596 (2.7); 7.7713 (8.8); 7.4692 (2.2); 7.4655 (2.3); 7.4507 (2.6); 7.4469 (2.7); 7.2158 (1.2); 7.2006 (4.4); 7.1952 (5.9); 7.1758 (4.8); 7.1560 (4.4); 7.1357 (3.3); 7.1177 (1.8); 7.1136 (2.0); 7.0975 (2.3); 7.0798 (1.1); 6.9478 (0.6); 6.9293 (1.6); 6.9145 (2.5); 6.8973 (1.4); 6.8790 (0.4); 6.8632 (0.4); 6.7357 (0.5); 6.7278 (0.5); 6.7174 (0.4); 6.7080 (0.4); 3.9336 (0.6); 3.7005 (1.2); 3.6836 (3.3); 3.6678 (3.5); 3.6508 (1.6); 3.4526 (0.4); 3.4336 (0.4); 3.3398 (152.3); 3.1817 (2.6); 3.1640 (5.0); 3.1464 (2.5); 3.0761 (1.8); 2.8971 (16.0); 2.7380 (14.8); 2.7102 (0.5); 2.6819 (0.4); 2.6349 (0.4); 2.6286 (0.7); 2.5903 (24.8); 2.5804 (6.0); 2.5695 (25.3); 2.5132 (13.0); 2.5091 (17.3); 2.5050 (13.3); 2.4622 (0.5); 2.4408 (0.4); 2.0897 (0.5); 2.0770 (1.0); 2.0690 (1.3); 2.0564 (2.1); 2.0385 (3.8); 2.0231 (0.8); 1.2115 (3.4); 1.1948 (3.3); 1.1687 (0.8); 1.1518 (0.6); 1.0472 (1.2); 1.0361 (3.4); 1.0308 (4.0); 1.0205 (3.0); 1.0152 (4.2); 1.0099 (4.2); 1.0000 (2.3); 0.8011 (1.3); 0.7863 (4.8); 0.7735 (5.3); 0.7621 (2.2)

I-614: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 8.9844 (1.3); 8.9630 (1.4); 8.3105 (9.1); 7.8195 (0.6); 7.8062 (6.2); 7.7158 (0.6); 7.6963 (1.6); 7.6763 (1.4); 7.6352 (1.9); 7.6198 (3.2); 7.5798 (1.4); 7.5575 (1.1); 7.2449 (1.8); 7.2251 (2.0); 6.9705 (2.7); 6.9607 (1.7); 6.9404 (1.2); 5.8064 (0.6); 5.7878 (1.1); 5.7696 (0.6); 5.1621 (0.7); 5.1412 (0.7); 5.1253 (0.4); 4.6143 (1.0); 4.5956 (1.8); 4.5771 (1.0); 3.9320 (1.6); 3.9113 (1.3); 3.9041 (2.0); 3.4649 (0.4); 3.4312 (1.4); 3.4032 (1.8); 3.3954 (2.1); 3.3823 (1.9); 3.3665 (3.0); 3.3280 (1644.3); 3.2542 (0.4); 2.7435 (0.8); 2.7279 (1.5); 2.7129 (1.5); 2.6951 (0.9); 2.6808 (3.4); 2.6763 (6.6); 2.6717 (9.2); 2.6672 (6.9); 2.6628 (3.4); 2.6300 (0.6); 2.6024 (16.0); 2.5774 (0.9); 2.5420 (5.2); 2.5251 (26.6); 2.5204 (41.7); 2.5117 (519.9); 2.5073 (1040.2); 2.5027 (1366.1); 2.4981 (992.1); 2.4936 (483.4); 2.3855 (0.4); 2.3386 (2.8); 2.3341 (6.0); 2.3296 (8.3); 2.3251 (6.2); 2.3206 (2.9); 2.0726 (1.3); 2.0111 (0.4); 1.9975 (0.5); 1.9782 (0.7); 1.9540 (0.4); 1.8644 (0.6); 1.8463 (0.5); 1.7918 (0.4); 1.7640 (0.9); 1.7486 (1.3); 1.7239 (0.9); 1.7056 (0.5); 1.6205 (1.9); 1.6098 (3.3); 1.6018 (3.0); 1.2369 (0.4); −0.0002 (4.1)

I-615: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.2791 (9.2); 7.9294 (1.1); 7.6520 (0.3); 7.6317 (4.6); 7.6188 (5.5); 7.4741 (3.1); 7.4546 (0.4); 7.4446 (1.2); 7.4382 (1.2); 7.4332 (1.7); 7.4284 (1.5); 7.4221 (1.1); 7.4159 (0.8); 7.3317 (2.0); 7.3121 (2.3); 7.2588 (7.9); 7.2249 (1.8); 7.2063 (2.2); 7.0643 (1.5); 7.0450 (2.3); 7.0258 (1.0); 5.2968 (0.4); 4.2878 (1.5); 4.2731 (1.5); 4.2516 (3.1); 4.2368 (3.0); 4.2153 (1.6); 4.2005 (1.5); 2.3986 (10.6); 2.3357 (0.4); 2.2983 (16.0); 1.5505 (3.5); 1.4318 (0.6); −0.0002 (5.1)

I-616: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.3064 (16.0); 8.0379 (1.1); 8.0177 (1.8); 8.0002 (1.1); 7.6692 (1.6); 7.6431 (4.3); 7.6167 (3.2); 7.5568 (3.9); 7.5233 (6.1); 7.4940 (10.8); 7.4387 (10.2); 7.4164 (6.2); 7.4114 (6.6); 7.3810 (2.8); 7.3542 (2.3); 7.3051 (19.8); 6.9391 (2.9); 6.7516 (5.8); 6.5642 (2.9); 4.2749 (2.7); 4.2547 (2.7); 4.2274 (5.8); 4.2072 (5.6); 4.1798 (3.1); 4.1597 (2.8); 2.0893 (2.5); 1.6006 (8.8); 1.3271 (0.8); 1.3032 (2.0); 1.2795 (0.8); 0.0544 (0.6); 0.0437 (19.3); 0.0329 (0.8)

I-617: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.3208 (9.4); 8.0174 (1.9); 7.8615 (1.0); 7.8432 (1.0); 7.6057 (0.3); 7.5848 (3.1); 7.5792 (2.5); 7.5724 (6.0); 7.5707 (6.1); 7.4900 (3.2); 7.4719 (0.4); 7.4614 (1.3); 7.4516 (1.7); 7.4466 (1.6); 7.4390 (1.2); 7.4326 (0.8); 7.2594 (13.3); 6.4313 (4.3); 5.3783 (1.0); 5.3606 (1.1); 2.9559 (14.0); 2.8832 (12.8); 2.6174 (0.6); 2.5753 (2.3); 2.5666 (2.2); 2.3925 (16.0); 2.3102 (0.4); 2.2949 (0.5); 2.2817

TABLE 2-continued

(1.0); 2.2713 (1.0); 2.2628 (0.8); 2.2497 (0.7); 1.8981 (0.9); 1.8905 (0.9); 1.8823 (1.4); 1.8745 (2.3); 1.8615 (3.8); 1.8493 (2.2); 1.8386 (1.0); 1.8327 (0.7); 1.6637 (0.3); 1.4318 (1.8); −0.0002 (3.8)

I-618: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.2630 (5.2); 8.0506 (0.7); 7.6664 (1.9); 7.4898 (1.3); 7.4617 (3.1); 7.4557 (1.4); 7.4279 (3.8); 7.4006 (2.0); 7.2988 (20.8); 6.9523 (1.1); 6.9468 (1.2); 6.9236 (0.9); 6.9192 (1.0); 6.8214 (1.0); 6.8165 (1.2); 6.7871 (2.8); 6.7791 (2.3); 6.7719 (1.0); 5.3381 (1.0); 4.4814 (1.0); 4.4607 (1.0); 4.4336 (2.0); 4.4132 (2.0); 4.3859 (1.0); 4.3654 (1.0); 3.8783 (16.0); 1.5829 (13.8); 0.0384 (20.8); 0.0275 (1.2)

I-619: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.1910 (2.2); 9.1767 (4.4); 9.1621 (2.5); 8.1160 (16.0); 7.9606 (2.6); 7.7601 (9.2); 7.6298 (6.3); 7.6093 (5.0); 7.5368 (2.2); 7.5144 (8.0); 7.5005 (11.7); 7.4760 (6.6); 7.4549 (2.6); 7.4346 (3.3); 7.3524 (0.5); 7.3344 (0.7); 7.2996 (6.5); 7.1646 (3.2); 6.0634 (1.4); 6.0518 (2.4); 6.0390 (1.6); 5.9486 (1.4); 5.9360 (2.3); 5.9236 (1.7); 3.9544 (0.3); 3.9400 (0.6); 3.9203 (1.2); 3.9032 (2.6); 3.8864 (3.1); 3.8737 (1.7); 3.8620 (1.9); 3.8468 (2.7); 3.8397 (2.2); 3.8293 (2.6); 3.8152 (1.5); 3.7898 (0.6); 3.7805 (0.4); 3.5862 (0.5); 3.5709 (0.6); 3.3257 (221.2); 2.9802 (0.4); 2.9639 (0.8); 2.9460 (0.4); 2.8989 (13.1); 2.7396 (12.4); 2.5099 (30.7); 1.2428 (0.4)

I-620: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.1144 (0.5); 8.1007 (0.8); 8.0872 (0.5); 8.0467 (5.4); 8.0158 (0.7); 7.4959 (2.2); 7.4746 (2.6); 7.4615 (2.4); 7.4592 (2.5); 7.3485 (1.2); 7.3287 (2.6); 7.3090 (1.5); 7.2599 (10.4); 7.2032 (1.4); 7.1986 (1.4); 7.1821 (1.2); 7.1775 (1.2); 7.0159 (1.6); 6.9964 (1.5); 6.9483 (1.2); 6.9442 (1.4); 6.9280 (1.0); 6.9241 (1.3); 6.8921 (1.9); 6.8878 (2.5); 4.4270 (1.0); 4.4116 (1.0); 4.3915 (2.2); 4.3761 (2.1); 4.3560 (1.1); 4.3406 (1.1); 2.9536 (4.8); 2.8820 (4.4); 2.6994 (16.0); 1.9520 (0.6); 1.9435 (0.7); 1.9310 (1.2); 1.9187 (0.7); 1.9102 (0.7); 1.8975 (0.3); 1.5639 (14.2); 1.0247 (0.7); 1.0128 (2.1); 1.0082 (2.2); 0.9967 (1.2); 0.9918 (2.2); 0.9873 (2.0); 0.9760 (0.8); 0.7506 (0.8); 0.7388 (2.7); 0.7350 (2.4); 0.7265 (2.3); 0.7224 (2.7); 0.7102 (0.7); −0.0002 (2.2)

I-621: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 18.0412 (0.4); 12.9947 (0.4); 9.0609 (0.4); 9.0373 (1.2); 9.0148 (1.2); 8.9328 (0.4); 8.3118 (12.8); 7.8228 (5.3); 7.8004 (1.3); 7.7185 (0.6); 7.6981 (1.6); 7.6784 (1.4); 7.6380 (2.0); 7.6201 (3.6); 7.5984 (0.4); 7.5786 (1.4); 7.5556 (1.1); 7.5054 (0.4); 7.4913 (0.5); 7.3341 (2.3); 7.2652 (0.4); 7.2467 (6.0); 7.2219 (0.4); 7.2053 (0.4); 7.1791 (0.6); 7.1584 (0.6); 6.8050 (0.6); 6.7594 (0.4); 6.7347 (0.4); 5.8070 (0.5); 5.7873 (0.9); 5.7699 (0.5); 5.1415 (0.8); 5.1304 (0.8); 4.6139 (0.7); 4.5953 (1.4); 4.5770 (0.7); 3.7732 (0.4); 3.7295 (0.3); 3.7272 (0.4); 3.6934 (0.4); 3.6535 (0.4); 3.6170 (0.4); 3.5981 (0.4); 3.5741 (0.4); 3.5552 (0.5); 3.5369 (0.4); 3.5328 (0.5); 3.5072 (0.6); 3.4485 (0.9); 3.4375 (1.0); 3.3278 (2945.9); 3.2506 (0.4); 2.8560 (0.4); 2.7548 (1.4); 2.7388 (1.5); 2.6804 (5.9); 2.6761 (11.7); 2.6715 (16.0); 2.6670 (11.7); 2.6625 (7.2); 2.6071 (14.1); 2.6011 (5.0); 2.5418 (9.0); 2.5249 (59.1); 2.5201 (92.8); 2.5116 (978.3); 2.5071 (1927.0); 2.5026 (2503.5); 2.4980 (1809.5); 2.4935 (874.0); 2.4078 (0.8); 2.3720 (0.4); 2.3460 (0.8); 2.3385 (5.2); 2.3339 (11.0); 2.3294 (15.2); 2.3249 (11.1); 2.3205 (5.1); 2.2783 (0.4); 2.0729 (2.0); 2.0211 (0.4); 1.9947 (0.6); 1.9819 (0.8); 1.9753 (0.8); 1.8874 (0.5); 1.8572 (0.6); 1.8423 (0.7); 1.7968 (0.5); 1.7723 (0.9); 1.7555 (1.2); 1.7330 (1.0); 1.7083 (0.4); 1.2363 (0.6); 1.0450 (0.5); 0.8919 (0.6); 0.8706 (0.8); 0.8336 (0.4); 0.5697 (0.5); 0.5536 (0.4); −0.0002 (8.0); −3.0487 (0.3); −3.4068 (0.4); −3.4863 (0.4)

I-622: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.2769 (4.2); 7.8853 (0.6); 7.6237 (2.6); 7.6109 (2.4); 7.4594 (1.5); 7.4063 (0.6); 7.4001 (0.7); 7.3935 (0.8); 7.3886 (0.7); 7.3840 (0.5); 7.3776 (0.4); 7.2645 (1.9); 7.2589 (3.0); 7.2363 (0.8); 7.2167 (1.0); 7.1271 (1.4); 7.1077 (1.0); 5.2961 (0.8); 4.2114 (0.8); 4.1967 (0.7); 4.1760 (1.6); 4.1613 (1.5); 4.1405 (0.8); 4.1258 (0.8); 2.2300 (16.0); 1.5560 (2.1); −0.0002 (1.6)

I-623: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.2976 (1.2); 9.2821 (2.7); 9.2667 (1.5); 8.8576 (6.8); 8.7218 (3.5); 8.7096 (3.6); 8.1505 (7.2); 8.0325 (0.7); 7.9605 (3.2); 7.7307 (3.6); 7.7185 (3.5); 7.5203 (0.6); 7.4993 (1.4); 7.4776 (1.6); 7.4561 (0.9); 7.4112 (0.6); 7.3908 (1.5); 7.3758 (1.7); 7.3469 (4.3); 7.3275 (5.2); 7.3078 (1.0); 7.0855 (4.7); 6.9601 (2.5); 6.9403 (2.4); 4.1689 (1.1); 4.1534 (1.2); 4.1325 (2.5); 4.1169 (2.4); 4.0962 (1.4); 4.0805 (1.4); 3.3234 (132.3); 2.8985 (14.7); 2.7395 (14.3); 2.5103 (17.0); 2.5084 (16.9); 2.4423 (11.3); 2.2832 (0.4); 2.2174 (16.0); 2.1823 (0.5)

I-624: ^{1}H-NMR(300.1 MHz, CDCl3):
δ = 8.2931 (10.0); 7.6415 (1.0); 7.6265 (1.0); 7.6089 (4.6); 7.6058 (5.8); 7.5851 (2.5); 7.5589 (0.6); 7.3482 (2.7); 7.2812 (1.1); 7.2744 (1.5); 7.2587 (7.7); 7.2524 (1.8); 7.2430 (0.7); 6.9848 (2.5); 6.9601 (2.9); 6.6948 (5.9); 6.6684 (1.6); 4.3049 (0.3); 3.8812 (1.4); 3.8593 (3.4); 3.8399 (3.3); 3.8178 (1.6); 3.1433 (2.6); 3.1208 (4.8); 3.0985 (2.3); 2.1490 (16.0); 1.9551 (0.3); 1.9369 (0.8); 1.9270 (0.8); 1.9192 (0.5); 1.9091 (1.5); 1.8987 (0.5); 1.8912 (0.9); 1.8811 (0.8); 1.8633 (0.4); 1.5810 (2.7); 0.9608 (0.6); 0.9475 (1.2); 0.9329 (2.9); 0.9267 (3.0); 0.9198 (1.8); 0.9126 (1.7); 0.9046 (3.1); 0.8983 (3.0); 0.8847 (1.4); 0.6423 (1.3); 0.6281 (3.0); 0.6226 (3.6); 0.6101 (3.1); 0.6045 (3.3); 0.5894 (1.0); −0.0005 (6.3)

I-625: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.1607 (0.9); 8.0802 (5.5); 8.0159 (0.5); 7.3390 (1.3); 7.3276 (2.2); 7.3193 (2.8); 7.3076 (2.4); 7.2996 (1.7); 7.2591 (9.3); 7.0227 (2.6); 7.0108 (1.8); 6.9910 (1.5); 6.9736 (1.2); 6.9691 (1.4); 6.9534 (1.0); 6.9489 (1.3); 6.9325 (1.4); 6.9117 (1.4); 6.9050 (2.2); 6.9003 (2.6); 4.2363 (1.0); 4.2215 (1.0); 4.2002 (2.2); 4.1853 (2.2); 4.1642 (1.1); 4.1493 (1.1); 2.9532 (3.6); 2.8819 (3.3); 2.7000 (16.0); 2.4730 (7.0); 2.2839 (9.9); 1.9475 (0.6); 1.9390 (0.7); 1.9266 (1.2); 1.9142 (0.7); 1.9056 (0.7); 1.8929 (0.3); 1.5647 (12.6); 1.0170 (0.7); 1.0053 (2.1); 1.0005 (2.2); 0.9890 (1.1); 0.9842 (2.2); 0.9796 (2.1); 0.9684 (0.8); 0.7469 (0.8); 0.7351 (2.7); 0.7313 (2.4); 0.7229 (2.3); 0.7188 (2.8); 0.7066 (0.7); −0.0002 (2.0)

I-626: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ =9.2518 (1.6); 9.2305 (1.7); 8.2194 (6.9); 7.9606 (2.0); 7.4938 (2.8); 7.3621 (1.4); 7.3575 (1.4); 7.3417 (1.7); 7.3369 (1.6); 7.2456 (0.6); 7.2244 (1.6); 7.2215 (1.5); 7.2035 (1.2); 7.2007 (1.3); 7.1694 (1.2); 7.1515 (1.6); 7.1329 (0.7); 7.1071 (2.4); 7.0866 (2.1); 6.9932 (0.9); 6.9898 (0.9); 6.9735 (1.6); 6.9563 (0.9); 5.1987 (0.3); 5.1794 (0.9); 5.1638 (0.9); 3.8997 (16.0); 3.3299 (18.4); 2.8981 (12.1); 2.7387 (11.8); 2.7234 (2.1); 2.7172 (2.0); 2.5131 (9.6); 2.5091 (12.6); 2.5050 (9.6); 2.0585 (0.4); 2.0333 (0.7); 2.0184 (0.6); 2.0013 (0.6); 1.9162 (0.4); 1.8900 (0.8); 1.8741 (0.5); 1.8578 (0.3); 1.7936 (1.4); 1.7769 (1.5); 1.7526 (0.9)

TABLE 2-continued

I-627: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.2782 (11.7); 8.0189 (2.3); 7.6270 (6.0); 7.6141 (6.4); 7.4771 (3.6); 7.4521 (0.4); 7.4422 (1.4); 7.4362 (1.4); 7.4300 (2.1); 7.4254 (1.8); 7.4197 (1.3); 7.4135 (0.9); 7.2588 (36.8); 6.7863 (4.0); 6.7152 (2.0); 6.6827 (2.0); 4.3403 (1.2); 4.3372 (1.2); 4.3251 (1.2); 4.3220 (1.2); 4.3046 (2.4); 4.3014 (2.4); 4.2893 (2.4); 4.2861 (2.3); 4.2655 (1.2); 4.2532 (1.2); 4.2503 (1.2); 2.9554 (7.9); 2.8835 (7.1); 2.4493 (5.2); 2.4390 (10.3); 2.4287 (5.4); 2.3070 (0.5); 2.2649 (16.0); 1.5519 (3.4); 1.4318 (3.1); 0.0079 (0.4); −0.0002 (10.4)
I-628: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 8.9831 (1.5); 8.9700 (1.5); 7.9548 (0.3); 7.8068 (6.5); 7.7291 (0.5); 7.7091 (1.6); 7.6893 (2.7); 7.6685 (1.8); 7.6528 (1.8); 7.6342 (3.5); 7.6027 (1.6); 7.5820 (2.1); 7.5585 (1.1); 7.4235 (1.0); 7.4043 (1.6); 7.3852 (0.7); 7.3186 (1.7); 7.2989 (1.5); 3.3310 (24.1); 3.3119 (0.9); 3.3062 (0.8); 3.3022 (0.8); 3.2926 (0.7); 2.8915 (2.2); 2.7330 (1.9); 2.6120 (16.0); 2.5263 (0.4); 2.5127 (9.1); 2.5084 (18.8); 2.5039 (24.8); 2.4993 (17.6); 2.4949 (8.3); 2.3216 (0.4); 2.2997 (0.7); 1.4188 (1.2); 1.4126 (1.1); 1.3996 (2.3); 1.3889 (1.2); 1.3840 (1.1); 1.3759 (1.2); 1.2398 (0.5); −0.0002 (4.2)
I-629: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.2965 (2.3); 7.5863 (0.8); 7.5825 (0.8); 7.4592 (0.4); 7.4316 (0.8); 7.4046 (0.5); 7.3732 (2.1); 7.3699 (2.1); 7.2987 (15.1); 6.9540 (0.3); 6.9483 (0.4); 6.8373 (0.3); 6.8325 (0.4); 6.8299 (0.4); 6.8060 (0.5); 6.8031 (0.4); 6.7978 (0.6); 6.7903 (0.8); 6.7828 (0.3); 5.3380 (2.1); 3.8786 (6.3); 2.0835 (0.7); 1.5804 (16.0); 1.2978 (0.4); 0.0491 (0.5); 0.0383 (14.4); 0.0306 (0.4); 0.0275 (0.5)
I-630: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ =9.3183 (1.0); 9.3027 (2.2); 9.2866 (1.1); 8.0543 (9.3); 7.9605 (2.6); 7.9441 (0.5); 7.8648 (3.9); 7.8022 (0.9); 7.6427 (1.0); 7.6256 (1.9); 7.6095 (2.3); 7.5884 (2.0); 7.5694 (1.3); 7.5203 (2.6); 7.4989 (5.4); 7.4760 (2.6); 7.4562 (1.2); 7.4373 (4.0); 7.4160 (1.7); 7.4118 (1.7); 7.3026 (3.3); 7.2885 (0.5); 7.1676 (1.6); 4.3057 (0.9); 4.2902 (1.1); 4.2716 (2.2); 4.2558 (2.3); 4.2374 (1.4); 4.2214 (1.2); 3.3245 (151.7); 2.8987 (16.0); 2.7395 (14.5); 2.5137 (11.8); 2.5094 (16.3); 2.5052 (12.7)
I-631: ^{1}H-NMR(300.1 MHz, CDCl3):
δ = 8.2775 (9.6); 7.6204 (0.4); 7.6067 (4.6); 7.6036 (5.6); 7.5943 (2.3); 7.5834 (3.0); 7.5573 (1.2); 7.3562 (2.7); 7.3033 (1.1); 7.2964 (1.4); 7.2817 (1.4); 7.2745 (1.6); 7.2603 (7.8); 7.1405 (3.1); 7.0826 (2.6); 7.0566 (3.5); 6.9199 (1.8); 6.9161 (1.8); 6.8940 (1.4); 6.8901 (1.3); 3.8851 (1.4); 3.8659 (3.2); 3.8428 (3.0); 3.8240 (1.6); 3.1331 (9.8); 3.1082 (3.8); 3.0877 (2.4); 2.1523 (16.0); 1.5926 (0.5); 1.2535 (0.4); 0.0102 (0.3); −0.0005 (7.7)
I-632: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.0827 (5.3); 8.0369 (0.9); 8.0165 (1.6); 7.5381 (3.0); 7.3761 (0.7); 7.3552 (4.2); 7.3488 (3.0); 7.3451 (2.7); 7.3277 (0.5); 7.3240 (0.5); 7.2605 (11.5); 7.1379 (0.4); 7.1243 (2.6); 7.1177 (2.2); 7.1060 (3.6); 6.8585 (0.7); 6.8516 (0.7); 6.8422 (1.2); 6.8336 (1.0); 6.8183 (0.6); 6.0743 (0.6); 6.0661 (0.6); 6.0582 (0.6); 6.0499 (0.6); 5.9585 (0.6); 5.9503 (0.6); 5.9424 (0.6); 5.9340 (0.6); 4.2270 (0.4); 4.2187 (0.4); 4.2109 (0.4); 4.2020 (0.6); 4.1647 (0.4); 4.1563 (0.4); 4.1486 (0.4); 4.1403 (0.3); 3.9170 (0.3); 3.9016 (0.5); 3.8872 (0.4); 3.8649 (0.4); 3.8593 (0.4); 3.8506 (0.3); 3.8450 (0.5); 3.8292 (0.4); 3.8227 (0.3); 3.8083 (0.4); 2.9540 (9.4); 2.8821 (8.6); 2.7091 (16.0); 2.1292 (0.6); 2.1209 (0.6); 2.1080 (1.1); 2.0953 (0.7); 2.0870 (0.6); 1.5722 (12.5); 1.0526 (0.7); 1.0409 (2.0); 1.0363 (2.1); 1.0251 (1.1); 1.0197 (2.1); 1.0151 (2.0); 1.0041 (0.8); 0.8022 (0.8); 0.7905 (2.5); 0.7871 (2.4); 0.7780 (2.2); 0.7741 (2.5); 0.7619 (0.7); −0.0002 (2.5)
I-633: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.4382 (2.3); 9.4230 (4.1); 9.4076 (1.9); 8.1765 (1.8); 8.1679 (16.0); 8.0474 (6.4); 8.0432 (6.4); 7.8772 (0.4); 7.8547 (0.5); 7.8188 (0.3); 7.7761 (3.0); 7.7715 (2.9); 7.7540 (3.9); 7.7502 (3.8); 7.7383 (1.9); 7.7176 (4.9); 7.6984 (11.1); 7.6761 (6.1); 7.6566 (2.8); 7.6385 (4.6); 7.6239 (6.5); 7.6039 (3.5); 4.2741 (2.0); 4.2492 (4.6); 4.2329 (4.4); 4.2240 (2.8); 4.2079 (2.1); 3.3397 (320.9); 3.3357 (269.2); 3.3326 (262.3); 2.7123 (0.5); 2.6717 (1.3); 2.5425 (123.6); 2.5073 (191.6); 2.5032 (245.2); 2.4990 (182.5); 2.3746 (0.5); 2.3692 (0.7); 2.3304 (1.4); 1.2595 (0.4); −0.0002 (6.0)
I-634: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 8.6762 (2.9); 7.7245 (0.6); 7.7049 (1.8); 7.6850 (1.5); 7.6550 (7.2); 7.6384 (1.0); 7.5387 (2.4); 7.4981 (1.3); 7.4781 (1.1); 7.2670 (3.6); 7.2462 (4.7); 7.1128 (5.1); 7.0919 (4.0); 3.3258 (20.9); 2.9047 (6.3); 2.8924 (0.9); 2.7332 (0.5); 2.5694 (16.0); 2.5075 (18.6); 2.5030 (24.5); 2.4986 (17.8); 1.2402 (0.5); 0.8869 (1.0); 0.8692 (3.4); 0.8578 (1.5); 0.7578 (1.4); 0.7463 (3.2); 0.7429 (3.2); 0.7292 (0.9); −0.0002 (4.0)
I-635: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 8.8172 (0.8); 8.8031 (1.7); 8.7887 (0.8); 8.7140 (16.0); 8.0877 (8.6); 7.7425 (0.7); 7.7229 (2.2); 7.7032 (2.3); 7.6894 (2.7); 7.6697 (1.0); 7.6321 (3.1); 7.5536 (1.7); 7.5341 (1.4); 3.8026 (1.2); 3.7862 (3.2); 3.7708 (3.3); 3.7546 (1.3); 3.3452 (28.9); 3.3431 (27.8); 3.1879 (2.4); 3.1712 (5.0); 3.1543 (2.2); 2.8933 (1.3); 2.7340 (1.2); 2.5146 (6.0); 2.5106 (12.6); 2.5062 (16.9); 2.5017 (12.4); 2.4975 (6.2); 1.2388 (0.5); −0.0002 (1.7)
I-636: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.9165 (0.4); 7.8969 (0.8); 7.8774 (0.4); 7.5524 (0.4); 7.5274 (1.2); 7.5023 (2.6); 7.4965 (2.2); 7.4915 (1.6); 7.4621 (1.9); 7.4595 (1.8); 7.4402 (2.6); 7.4279 (0.8); 7.4129 (2.4); 7.2986 (3.3); 7.0883 (2.0); 7.0431 (1.1); 7.0164 (0.9); 4.2751 (0.8); 4.2549 (0.8); 4.2249 (1.8); 4.2047 (1.8); 4.1746 (0.9); 4.1545 (0.9); 3.8427 (1.5); 3.8233 (3.1); 3.8039 (1.7); 3.3951 (0.6); 3.3837 (16.0); 3.1578 (1.6); 3.1384 (2.8); 3.1190 (1.4); 2.5442 (5.8); 2.5374 (3.5); 2.3196 (7.7); 2.1111 (0.5); 2.1002 (0.6); 2.0953 (0.4); 2.0841 (1.1); 2.0730 (0.4); 2.0679 (0.6); 2.0570 (0.6); 1.6344 (3.0); 1.3465 (0.6); 1.3323 (1.8); 1.3237 (2.1); 1.3165 (1.9); 1.3077 (2.0); 1.2954 (1.2); 1.2684 (3.6); 1.2560 (0.6); 1.1083 (0.7); 1.0961 (1.8); 1.0871 (1.6); 1.0815 (1.1); 1.0691 (1.8); 1.0601 (1.6); 1.0463 (0.6); 0.1098 (8.4); 0.0977 (0.3); 0.0376 (2.7)
I-637: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.1906 (1.9); 9.1762 (3.9); 9.1614 (2.1); 8.1165 (12.5); 7.9605 (3.3); 7.6453 (8.9); 7.6293 (5.4); 7.6093 (4.0); 7.5787 (4.9); 7.5577 (6.1); 7.4927 (3.0); 7.4728 (4.4); 7.4528 (2.0); 7.4324 (2.6); 7.4055 (4.3); 7.3846 (3.5); 7.2974 (5.3); 7.1624 (2.6); 6.0786 (1.2); 6.0664 (2.0); 6.0545 (1.3); 5.9637 (1.1); 5.9509 (1.9); 5.9387 (1.3); 3.9442 (0.5); 3.9234 (1.0); 3.9073 (2.1); 3.8901 (2.6); 3.8758 (1.4); 3.8668 (1.5); 3.8519 (2.3); 3.8337 (2.0); 3.8187 (1.2); 3.8073 (0.5); 3.7931 (0.5); 3.3231 (174.1); 2.8988 (16.0); 2.7397 (15.5); 2.5104 (22.4); 1.2461 (0.4)

TABLE 2-continued

I-638: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.0377 (5.4); 8.0158 (1.0); 7.9923 (0.6); 7.9781 (0.9); 7.9647 (0.5); 7.5323 (2.3); 7.5111 (2.6); 7.4588 (2.6); 7.2602 (10.5); 7.2150 (1.5); 7.2106 (1.4); 7.1939 (1.3); 7.1895 (1.2); 7.1137 (3.7); 7.1003 (3.2); 7.0801 (0.4); 6.8557 (0.7); 6.8428 (1.1); 6.8323 (1.2); 6.8217 (0.7); 6.8155 (0.6); 4.4513 (1.1); 4.4358 (1.1); 4.4165 (2.2); 4.4010 (2.2); 4.3817 (1.2); 4.3663 (1.1); 2.9538 (6.2); 2.8820 (5.8); 2.6989 (16.0); 2.1248 (0.6); 2.1166 (0.6); 2.1037 (1.2); 2.0909 (0.7); 2.0825 (0.6); 1.5681 (10.0); 1.0574 (0.7); 1.0454 (2.1); 1.0408 (2.2); 1.0293 (1.2); 1.0242 (2.2); 1.0196 (2.1); 1.0085 (0.8); 0.8028 (0.8); 0.7908 (2.7); 0.7876 (2.5); 0.7784 (2.4); 0.7745 (2.6); 0.7622 (0.7); −0.0002 (2.2)
I-639: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.3035 (16.0); 8.1249 (1.5); 7.6989 (2.4); 7.6789 (2.4); 7.6409 (0.4); 7.6189 (1.8); 7.6004 (7.1); 7.5945 (6.4); 7.5864 (12.4); 7.5737 (1.7); 7.5424 (1.0); 7.4791 (7.1); 7.4571 (0.6); 7.4312 (0.7); 7.4203 (2.4); 7.4113 (3.4); 7.4062 (3.4); 7.3982 (2.6); 7.3921 (1.7); 7.2606 (7.0); 6.7517 (13.5); 5.2963 (0.4); 5.2784 (1.2); 5.2618 (2.6); 5.2450 (2.5); 5.2283 (1.1); 2.7679 (0.4); 2.7534 (0.7); 2.7262 (2.2); 2.7122 (5.6); 2.6978 (5.7); 2.6848 (2.2); 2.6564 (0.6); 2.2380 (0.7); 2.2257 (1.2); 2.2194 (1.3); 2.2156 (1.3); 2.2065 (1.9); 2.1973 (1.8); 2.1849 (1.8); 2.1776 (1.3); 2.1720 (1.2); 2.1641 (0.9); 1.9610 (1.1); 1.9375 (2.8); 1.9311 (3.4); 1.9229 (4.0); 1.9173 (3.5); 1.9109 (3.0); 1.9038 (2.6); 1.8886 (1.2); 1.8769 (0.6); 1.8643 (1.4); 1.8574 (1.4); 1.8476 (1.5); 1.8408 (1.8); 1.8325 (1.5); 1.8228 (1.5); 1.8156 (1.5); 1.8051 (1.2); 1.7956 (0.8); 1.7858 (0.6); 1.5787 (1.7); 1.2558 (1.0); −0.0002 (3.8)
I-640: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.2651 (16.0); 8.1173 (1.2); 8.0984 (2.0); 8.0800 (1.2); 7.6755 (5.7); 7.4919 (3.3); 7.4636 (8.5); 7.4305 (6.9); 7.4039 (8.0); 7.3774 (3.9); 7.3045 (39.0); 7.1008 (3.8); 7.0746 (3.2); 7.0119 (2.7); 7.0087 (2.7); 7.0039 (3.3); 6.9849 (2.2); 6.9818 (2.3); 6.9770 (3.2); 6.9437 (4.6); 6.9380 (5.5); 6.9312 (2.9); 5.3441 (10.2); 4.4823 (2.5); 4.4618 (2.5); 4.4345 (5.4); 4.4140 (5.2); 4.3867 (2.7); 4.3663 (2.6); 2.0325 (0.6); 2.0161 (1.3); 2.0048 (1.5); 1.9882 (2.8); 1.9714 (1.6); 1.9601 (1.5); 1.9433 (0.8); 1.5917 (19.4); 1.3001 (0.4); 1.0999 (1.8); 1.0846 (4.9); 1.0777 (5.4); 1.0624 (3.1); 1.0562 (5.3); 1.0499 (4.7); 1.0348 (2.3); 1.0129 (0.3); 0.8098 (2.2); 0.7942 (6.4); 0.7889 (5.2); 0.7777 (5.2); 0.7723 (6.4); 0.7557 (1.8); 0.1133 (0.5); 0.0544 (1.4); 0.0436 (40.2); 0.0326 (1.5)
I-641: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 8.6706 (2.6); 7.9528 (0.7); 7.7298 (0.5); 7.7101 (1.6); 7.6903 (1.3); 7.6608 (1.8); 7.6522 (5.2); 7.6420 (0.9); 7.5709 (2.1); 7.5249 (1.2); 7.5046 (0.9); 7.1563 (3.2); 7.1349 (3.5); 6.6423 (3.7); 6.6209 (3.4); 3.5998 (16.0); 3.3273 (21.1); 2.8906 (4.6); 2.8443 (5.3); 2.7317 (4.1); 2.5685 (13.1); 2.5063 (16.6); 2.5021 (21.5); 2.4977 (15.5); 1.2400 (0.6); 0.8332 (0.8); 0.8154 (2.9); 0.8044 (1.2); 0.7244 (1.2); 0.7132 (2.8); 0.6960 (0.8); −0.0002 (3.0)
I-642: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5690 (2.1); 7.5517 (1.4); 7.5404 (2.8); 7.5284 (4.1); 7.5176 (2.3); 7.5111 (2.3); 7.4256 (1.9); 7.3883 (0.8); 7.3803 (1.4); 7.3731 (0.8); 7.3670 (0.5); 7.3642 (0.5); 7.3580 (0.8); 7.3505 (0.5); 7.2985 (2.6); 7.2209 (1.3); 7.2142 (1.2); 7.1927 (1.1); 7.1860 (1.0); 6.5181 (0.5); 6.4968 (1.0); 6.4755 (0.5); 4.4583 (0.9); 4.4368 (0.9); 4.4101 (2.0); 4.3886 (1.9); 4.3619 (1.0); 4.3404 (0.9); 2.4143 (16.0); 2.0930 (0.6); 2.0823 (0.6); 2.0764 (0.4); 2.0661 (1.3); 2.0550 (0.5); 2.0494 (0.7); 2.0387 (0.7); 2.0222 (0.3); 1.6457 (1.2); 1.3015 (1.0); 1.2948 (0.9); 1.2517 (6.6); 1.2373 (0.7); 1.2218 (1.8); 1.2138 (2.2); 1.2057 (1.8); 1.2024 (1.6); 1.1975 (2.0); 1.1858 (0.9); 1.0981 (0.9); 1.0865 (2.0); 1.0780 (1.5); 1.0712 (1.2); 1.0594 (1.9); 1.0507 (1.5); 1.0358 (0.6); 0.9382 (0.3); 0.9166 (1.0); 0.8932 (0.4); 0.1079 (1.0); 0.0349 (2.1)
I-643: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.1089 (1.3); 9.0947 (2.8); 9.0805 (1.6); 8.8573 (8.1); 8.7191 (4.2); 8.7067 (4.7); 8.2389 (9.1); 8.0898 (0.8); 7.9606 (3.0); 7.8008 (0.9); 7.7717 (4.8); 7.7630 (4.1); 7.7409 (4.1); 7.7315 (5.4); 7.7193 (5.9); 7.6864 (3.2); 7.6665 (2.1); 7.6340 (5.1); 7.6113 (0.5); 7.5870 (3.7); 7.5660 (4.5); 7.5503 (0.7); 7.3690 (2.5); 7.3645 (2.9); 7.3483 (2.3); 7.3438 (2.5); 6.1030 (0.8); 6.0906 (1.5); 6.0783 (0.9); 5.9878 (0.7); 5.9757 (1.5); 5.9632 (0.9); 3.9395 (1.9); 3.9250 (1.4); 3.8977 (1.3); 3.8828 (2.1); 3.8681 (1.4); 3.8410 (0.4); 3.3320 (171.7); 2.8989 (16.0); 2.7394 (15.0); 2.5102 (21.6)
I-644: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.0752 (5.4); 8.0306 (1.0); 8.0162 (1.1); 7.3498 (2.1); 7.3299 (2.3); 7.2594 (9.7); 7.1037 (3.5); 7.0908 (2.6); 7.0856 (2.7); 7.0710 (0.5); 7.0157 (2.5); 6.9290 (1.3); 6.9091 (1.3); 6.8487 (0.7); 6.8335 (1.1); 6.8249 (1.3); 6.8156 (0.7); 6.8085 (0.6); 4.2536 (1.0); 4.2387 (1.0); 4.2180 (2.2); 4.2030 (2.2); 4.1823 (1.2); 4.1674 (1.1); 2.9533 (4.1); 2.8820 (3.8); 2.7012 (16.0); 2.4777 (7.0); 2.2632 (9.8); 2.1247 (0.6); 2.1164 (0.6); 2.1036 (1.2); 2.0907 (0.7); 2.0825 (0.7); 2.0693 (0.4); 1.5662 (8.8); 1.0492 (0.7); 1.0374 (2.1); 1.0326 (2.2); 1.0213 (1.2); 1.0162 (2.2); 1.0115 (2.1); 1.0004 (0.9); 0.7982 (0.8); 0.7864 (2.6); 0.7828 (2.4); 0.7740 (2.3); 0.7699 (2.7); 0.7577 (0.8); −0.0002 (2.1)
I-645: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.3699 (3.6); 7.3432 (4.1); 7.2986 (29.1); 7.1663 (0.6); 7.1042 (1.2); 7.0757 (3.2); 7.0608 (3.0); 7.0524 (7.7); 7.0383 (6.2); 7.0324 (6.9); 7.0119 (1.8); 7.0049 (1.4); 6.9240 (2.1); 6.8979 (1.9); 6.8248 (1.3); 6.8149 (1.3); 6.8026 (2.4); 6.7951 (1.9); 6.7773 (1.2); 6.7712 (1.1); 4.2508 (2.0); 4.2307 (1.9); 4.2026 (4.2); 4.1825 (4.1); 4.1541 (2.2); 4.1341 (2.0); 3.0529 (0.7); 3.0425 (1.2); 3.0300 (1.5); 3.0206 (1.6); 3.0079 (1.2); 2.9981 (0.7); 2.5269 (0.5); 2.4938 (11.8); 2.4865 (6.5); 2.3832 (0.6); 2.2984 (16.0); 2.1558 (0.4); 2.1382 (0.9); 2.1278 (1.0); 2.1103 (1.9); 2.0930 (1.1); 2.0832 (2.1); 2.0645 (0.5); 1.5843 (12.6); 1.3447 (0.5); 1.3214 (1.2); 1.3061 (3.3); 1.2981 (3.2); 1.2742 (0.5); 1.0715 (1.3); 1.0563 (3.6); 1.0494 (3.9); 1.0435 (2.0); 1.0348 (2.2); 1.0276 (3.8); 1.0210 (3.5); 1.0066 (1.8); 0.9427 (1.3); 0.9209 (4.0); 0.8971 (2.2); 0.8784 (2.9); 0.8721 (3.9); 0.8551 (4.0); 0.8490 (3.3); 0.8316 (1.4); 0.8148 (2.0); 0.7999 (4.4); 0.7936 (4.2); 0.7827 (4.0); 0.7772 (4.7); 0.7608 (1.5); 0.7008 (1.5); 0.6846 (3.5); 0.6769 (4.1); 0.6720 (3.4); 0.6652 (2.9); 0.6484 (0.9); 0.0496 (1.2); 0.0388 (37.6); 0.0279 (1.3)
I-646: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.4411 (2.4); 9.4220 (2.4); 8.3163 (0.4); 8.2405 (16.0); 7.7450 (5.3); 7.7227 (2.5); 7.6102 (1.1); 7.5907 (4.0); 7.5832 (3.5); 7.5648 (2.7); 7.5457 (0.9); 7.4821 (0.5); 7.4769 (0.6); 7.4617 (1.1); 7.4567 (1.3); 7.4481 (0.8); 7.4428 (1.0); 7.4389 (1.7); 7.4312 (1.0); 7.4181 (0.8); 7.4134 (0.7); 7.3670 (0.6); 7.3628 (0.6); 7.3460 (1.3); 7.3421 (1.4); 7.3293 (1.6); 7.3249 (1.2); 7.3186 (1.8); 7.3166 (1.8); 7.3114 (4.0); 7.3038 (1.3); 7.2996 (1.9); 7.2792 (0.7); 5.2553 (0.4); 5.2380 (1.5); 5.2201 (2.3); 5.2020 (1.5); 5.1844 (0.4); 3.9031 (1.4); 3.7055 (0.7); 3.3325 (304.4); 3.1751 (0.4); 3.1621 (0.4); 2.6761 (1.1); 2.6715 (1.6); 2.6670 (1.1); 2.6625 (0.6); 2.5370 (1.4); 2.5249 (5.4); 2.5201 (8.6); 2.5115 (103.6);

TABLE 2-continued

2.5071 (206.4); 2.5026 (266.6); 2.4980 (191.0); 2.4935 (92.7); 2.4585 (0.7); 2.3383 (0.6); 2.3339 (1.1); 2.3293 (1.6); 2.3249 (1.1); 2.3204 (0.6); 1.4913 (10.9); 1.4737 (10.9); 1.4433 (0.4); 1.2345 (0.4); −0.0002 (1.1)

I-647: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 8.2196 (16.0); 7.6557 (3.0); 7.6166 (2.2); 7.6008 (8.6); 7.5962 (7.3); 7.5796 (5.9); 7.5637 (2.3); 7.5572 (2.1); 7.5385 (0.4); 7.4888 (1.4); 7.4270 (1.0); 7.4125 (2.3); 7.3956 (2.7); 7.3544 (12.2); 7.3382 (13.0); 7.2787 (3.4); 7.2648 (4.1); 7.2599 (14.6); 7.1768 (10.4); 7.1719 (14.1); 7.1549 (10.0); 7.0193 (4.2); 7.0040 (4.7); 3.8334 (1.0); 3.8237 (1.4); 3.8136 (2.0); 3.8026 (2.2); 3.7933 (2.3); 3.7823 (2.0); 3.7735 (1.5); 3.7625 (1.0); 3.4187 (0.4); 3.4070 (0.6); 3.4008 (0.5); 3.3974 (0.5); 3.3911 (0.6); 3.3796 (0.4); 2.0673 (1.9); 2.0496 (3.3); 2.0410 (0.6); 2.0308 (2.4); 2.0253 (2.1); 2.0074 (3.2); 1.9888 (2.0); 1.8102 (0.3); 1.7928 (0.7); 1.7835 (0.4); 1.7752 (0.4); 1.7661 (0.7); 1.7486 (0.4); 1.6682 (0.4); 1.6558 (0.5); 1.6511 (0.4); 1.6387 (0.4); 1.6237 (0.5); 1.6112 (0.6); 1.6023 (2.2); 1.5904 (2.7); 1.5849 (2.9); 1.5817 (2.8); 1.5729 (3.1); 1.5698 (3.3); 1.5640 (3.5); 1.5542 (6.0); 1.2567 (0.9); −0.0002 (14.0)

I-648: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 7.5170 (0.6); 7.4972 (2.9); 7.4816 (7.6); 7.3747 (4.0); 7.3453 (0.4); 7.3326 (1.5); 7.3258 (2.4); 7.3202 (2.0); 7.3106 (5.0); 7.2908 (3.7); 7.2579 (5.3); 7.0037 (4.3); 6.9282 (1.5); 6.8941 (2.5); 6.8741 (2.2); 6.7800 (0.6); 5.2932 (0.8); 4.1812 (1.6); 4.1663 (1.6); 4.1444 (3.4); 4.1295 (3.2); 4.1076 (1.8); 4.0927 (1.6); 2.9623 (0.7); 2.9546 (1.2); 2.9457 (1.6); 2.9384 (1.6); 2.9295 (1.2); 2.9217 (0.8); 2.4433 (11.8); 2.2609 (16.0); 1.5835 (0.9); 1.2573 (1.5); 0.8449 (1.0); 0.8274 (4.0); 0.8136 (4.1); 0.7969 (1.2); 0.6624 (1.3); 0.6494 (3.8); 0.6447 (4.3); 0.6232 (1.0); −0.0002 (4.2)

I-649: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.7591 (2.1); 8.7418 (2.2); 7.6174 (0.3); 7.5915 (1.4); 7.5686 (4.7); 7.5460 (0.5); 7.5160 (2.4); 7.4851 (1.1); 7.4770 (1.8); 7.4636 (3.4); 7.4451 (3.1); 7.4079 (2.0); 7.3813 (2.3); 7.2988 (5.0); 7.0950 (2.4); 7.0100 (1.3); 6.9837 (1.1); 6.8151 (0.5); 6.7950 (1.0); 6.7751 (0.5); 4.3245 (0.8); 4.3041 (0.8); 4.2755 (1.6); 4.2550 (1.6); 4.2263 (0.8); 4.2059 (0.8); 2.5381 (7.0); 2.3447 (16.0); 2.3277 (9.8); 2.0724 (0.4); 1.2915 (0.6); 0.1092 (0.4); 0.0355 (4.9)

I-650: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.2640 (1.2); 7.5680 (0.5); 7.5414 (1.9); 7.5199 (5.3); 7.4984 (0.6); 7.4368 (1.4); 7.4187 (0.9); 7.4046 (0.7); 7.3815 (3.1); 7.3627 (1.3); 7.3540 (2.0); 7.3444 (3.3); 7.3328 (1.5); 7.3177 (3.1); 7.2986 (17.8); 7.0786 (0.6); 7.0374 (2.9); 6.9255 (1.6); 6.8985 (1.4); 5.3373 (1.8); 4.2375 (1.3); 4.2177 (1.2); 4.1892 (2.8); 4.1695 (2.6); 4.1411 (1.5); 4.1213 (1.4); 4.0826 (0.4); 4.0619 (0.3); 3.1686 (0.5); 3.1581 (0.9); 3.1463 (1.2); 3.1359 (1.2); 3.1235 (0.9); 3.1133 (0.6); 2.5125 (1.3); 2.4871 (8.4); 2.3856 (0.4); 2.3589 (2.4); 2.3416 (1.7); 2.3242 (1.2); 2.3139 (1.6); 2.2965 (11.7); 1.6037 (16.0); 1.3743 (0.4); 1.2933 (5.3); 1.2226 (1.1); 1.2077 (2.7); 1.2000 (3.0); 1.1909 (2.9); 1.1832 (2.9); 1.1707 (1.3); 1.1371 (0.4); 1.0314 (1.2); 1.0189 (2.7); 1.0108 (2.5); 1.0044 (1.7); 0.9917 (2.7); 0.9835 (2.4); 0.9691 (0.9); 0.9261 (1.1); 0.9180 (1.0); 0.9026 (3.1); 0.8856 (3.3); 0.8797 (2.7); 0.8628 (1.4); 0.7472 (1.1); 0.7314 (2.6); 0.7233 (3.0); 0.6950 (0.7); 0.1077 (12.0); 0.0957 (0.6); 0.0486 (0.8); 0.0378 (15.9)

I-651: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.1059 (1.1); 9.0913 (2.4); 9.0766 (1.4); 8.8564 (7.6); 8.7185 (4.0); 8.7062 (4.4); 8.2616 (0.4); 8.2324 (8.4); 8.0850 (0.7); 7.9604 (2.8); 7.8019 (0.8); 7.7799 (4.7); 7.7627 (3.1); 7.7497 (5.9); 7.7309 (4.9); 7.7187 (5.3); 7.6863 (2.6); 7.6659 (1.8); 7.6278 (0.3); 7.6233 (0.4); 7.5185 (0.9); 7.4973 (6.6); 7.4685 (0.9); 6.0878 (0.7); 6.0757 (1.4); 6.0630 (0.8); 5.9730 (0.7); 5.9606 (1.4); 5.9479 (0.8); 3.9439 (0.9); 3.9343 (1.8); 3.9195 (1.2); 3.8879 (1.1); 3.8777 (1.9); 3.8638 (1.2); 3.3289 (188.0); 2.8985 (16.0); 2.7393 (14.9); 2.5095 (19.4)

I-652: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.4147 (3.5); 8.4104 (3.5); 8.3322 (3.5); 8.3258 (3.5); 8.2381 (8.5); 8.0144 (2.1); 7.9179 (0.6); 7.9038 (1.0); 7.8893 (0.6); 7.6403 (3.3); 7.4674 (1.4); 7.4462 (5.0); 7.4330 (3.0); 7.4291 (2.8); 7.4118 (0.8); 7.4080 (0.8); 7.2604 (18.0); 7.2191 (2.0); 7.2137 (3.2); 7.2083 (2.0); 4.4312 (1.3); 4.4158 (1.2); 4.3948 (2.8); 4.3795 (2.7); 4.3584 (1.4); 4.3431 (1.3); 2.9535 (16.0); 2.8807 (14.5); 2.0227 (0.4); 2.0099 (0.8); 2.0014 (0.8); 1.9888 (1.6); 1.9764 (0.9); 1.9679 (0.8); 1.9551 (0.4); 1.5675 (17.1); 1.1338 (1.0); 1.1213 (2.6); 1.1173 (2.7); 1.1050 (1.4); 1.1003 (2.7); 1.0962 (2.5); 1.0842 (1.1); 0.8125 (1.1); 0.8002 (3.5); 0.7966 (2.9); 0.7878 (2.7); 0.7839 (3.5); 0.7713 (1.0); −0.0002 (0.8)

I-653: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.9078 (5.0); 7.8091 (0.4); 7.7895 (0.8); 7.7696 (0.4); 7.5635 (1.1); 7.5376 (2.9); 7.5311 (1.6); 7.5106 (0.5); 7.4917 (1.8); 7.4634 (0.8); 7.4565 (1.3); 7.4494 (0.6); 7.4384 (0.5); 7.4325 (0.8); 7.4227 (1.8); 7.3957 (1.8); 7.2987 (2.3); 7.0882 (1.8); 7.0367 (1.0); 7.0100 (0.9); 4.2656 (0.8); 4.2453 (0.8); 4.2156 (1.8); 4.1954 (1.7); 4.1657 (0.9); 4.1454 (0.9); 3.7418 (1.6); 3.7230 (2.9); 3.7038 (1.8); 3.3685 (16.0); 2.9800 (1.7); 2.9609 (2.8); 2.9421 (1.5); 2.5348 (5.5); 2.5280 (3.1); 2.3226 (7.3); 1.6930 (2.1); 0.0363 (2.0)

I-654: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.2398 (2.0); 9.2242 (4.4); 9.2085 (2.3); 8.8513 (13.7); 8.7126 (7.4); 8.7003 (7.8); 8.1504 (16.0); 8.0292 (1.3); 7.9601 (1.7); 7.8018 (1.4); 7.7820 (4.4); 7.7629 (10.9); 7.7443 (6.4); 7.7246 (10.0); 7.7137 (9.0); 7.7011 (7.8); 7.6485 (4.0); 7.6288 (3.6); 7.6081 (0.6); 7.5933 (6.1); 7.5719 (7.3); 7.5564 (1.2); 7.2631 (3.8); 7.2589 (4.0); 7.2422 (3.7); 7.2376 (3.7); 4.3440 (1.8); 4.3281 (2.0); 4.3098 (4.2); 4.2938 (4.2); 4.2757 (2.6); 4.2599 (2.4); 3.3357 (281.8); 2.8982 (9.7); 2.7388 (9.0); 2.5098 (32.2); 2.5059 (25.6); 1.2427 (0.5)

I-655: ^{1}H-NMR(499.9 MHz, d_6-DMSO):
δ = 9.3667 (0.8); 9.3542 (1.7); 9.3417 (0.8); 7.3396 (2.2); 7.3236 (2.5); 7.1746 (0.8); 7.1587 (2.0); 7.1428 (1.4); 7.0988 (2.6); 7.0909 (1.1); 7.0770 (1.4); 7.0627 (0.7); 7.0599 (0.6); 6.9851 (1.4); 6.9692 (1.2); 6.9423 (0.8); 6.9397 (0.8); 6.9267 (1.4); 6.9133 (0.7); 4.1569 (0.6); 4.1444 (0.7); 4.1270 (1.5); 4.1144 (1.4); 4.0969 (0.8); 4.0844 (0.7); 3.3290 (90.6); 2.5266 (0.5); 2.5229 (0.6); 2.5121 (10.7); 2.5087 (21.8); 2.5051 (29.4); 2.5016 (21.0); 2.4982 (9.8); 2.4413 (7.0); 2.2352 (9.9); 2.2092 (16.0); 2.0762 (7.7); 2.0645 (1.2); 2.0542 (0.7); 2.0477 (0.6); 1.0412 (0.8); 1.0325 (2.2); 1.0282 (2.3); 1.0246 (1.2); 1.0198 (1.2); 1.0156 (2.2); 1.0113 (2.3); 1.0031 (0.8); 0.7944 (0.9); 0.7859 (2.5); 0.7821 (2.6); 0.7758 (2.4); 0.7719 (2.6); 0.7629 (0.8)

I-656: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.2417 (1.6); 9.2211 (1.6); 8.0772 (6.9); 7.9605 (2.4); 7.2498 (0.6); 7.2459 (0.6); 7.2287 (1.6); 7.2252 (1.5); 7.2077 (1.2); 7.2045 (1.2); 7.1703 (1.1); 7.1522 (1.5); 7.1333 (0.7); 6.9854 (0.9); 6.9823 (0.9); 6.9655 (1.6); 6.9483 (0.9); 6.4946 (3.4); 5.1687 (0.4); 5.1530 (0.8); 5.1353 (0.8); 3.9016 (16.0); 3.3300 (18.3); 2.8981 (14.2); 2.7388 (12.9); 2.5132 (9.6); 2.5091 (12.2); 2.5049 (9.6); 2.4773 (1.0);

TABLE 2-continued

2.4502 (0.4); 2.3473 (11.4); 2.0369 (0.4); 2.0201 (0.7); 1.9984 (0.6); 1.9867 (0.4); 1.9066 (0.4); 1.8915 (0.5); 1.8735 (0.6); 1.8567 (0.8); 1.8380 (0.8); 1.8221 (0.6); 1.8165 (0.6); 1.8059 (0.6); 1.7892 (0.6); 1.7672 (0.6); 1.7505 (0.6); 1.7296 (0.5); 1.7140 (0.4)

I-657: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 7.6252 (3.2); 7.5474 (0.4); 7.5314 (2.2); 7.5193 (5.7); 7.4917 (0.3); 7.4362 (2.6); 7.4189 (4.0); 7.4123 (3.2); 7.3496 (0.4); 7.3394 (1.0); 7.3341 (1.6); 7.3295 (1.4); 7.3219 (1.3); 7.3056 (2.1); 7.3034 (2.0); 7.2887 (1.6); 7.2862 (1.6); 7.2627 (2.4); 6.7147 (0.8); 6.7022 (1.6); 6.6897 (0.9); 4.3819 (1.0); 4.3692 (1.0); 4.3529 (2.3); 4.3402 (2.2); 4.3240 (1.3); 4.3112 (1.2); 4.0975 (0.6); 4.0832 (0.6); 3.2306 (0.3); 3.2164 (0.8); 3.2022 (1.2); 3.1881 (0.9); 3.1741 (0.4); 2.0238 (2.5); 1.6454 (1.7); 1.3780 (15.7); 1.3638 (16.0); 1.3328 (0.9); 1.3181 (1.8); 1.2611 (1.0); 1.2470 (1.5); 1.2327 (0.8); 1.1139 (0.8); 1.1008 (0.8); 0.8710 (0.4); 0.8563 (0.5); 0.8428 (0.3); −0.0002 (1.9)

I-658: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.4121 (4.2); 8.4088 (4.2); 8.3287 (3.8); 8.3227 (3.8); 8.2493 (11.2); 8.0136 (2.2); 7.9269 (1.5); 7.9127 (0.9); 7.4777 (4.6); 7.4562 (8.3); 7.4060 (7.9); 7.3847 (4.3); 7.2605 (19.3); 7.2109 (2.9); 7.2055 (4.7); 7.2003 (2.9); 4.2129 (1.9); 4.1978 (1.9); 4.1771 (4.2); 4.1620 (4.0); 4.1412 (2.1); 4.1261 (2.0); 2.9532 (16.0); 2.8803 (14.9); 2.0196 (0.5); 2.0068 (1.1); 1.9983 (1.2); 1.9859 (2.2); 1.9732 (1.3); 1.9648 (1.2); 1.9521 (0.6); 1.5738 (18.8); 1.1318 (1.3); 1.1193 (3.7); 1.1151 (3.9); 1.1028 (2.1); 1.0983 (3.8); 1.0941 (3.6); 1.0821 (1.5); 0.8078 (1.6); 0.7955 (5.0); 0.7919 (4.2); 0.7831 (3.9); 0.7791 (5.0); 0.7666 (1.3); −0.0002 (0.9)

I-659: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.6837 (3.3); 8.6641 (3.3); 7.6160 (0.4); 7.5899 (1.8); 7.5751 (4.2); 7.5681 (5.3); 7.5469 (3.3); 7.5141 (2.5); 7.5081 (2.7); 7.4880 (2.5); 7.4610 (0.4); 7.4556 (0.4); 7.4426 (1.1); 7.4340 (1.8); 7.4214 (4.9); 7.4163 (3.5); 7.4063 (3.4); 7.4015 (4.4); 7.2985 (2.5); 7.2753 (1.3); 7.2546 (0.7); 7.2289 (1.6); 7.2224 (1.6); 7.2008 (1.4); 7.1942 (1.3); 5.3240 (1.5); 4.4815 (0.9); 4.4603 (0.9); 4.4326 (1.8); 4.4114 (1.8); 4.3836 (0.9); 4.3624 (0.9); 2.3303 (16.0); 2.3132 (0.6); 2.2927 (0.4); 2.0549 (0.5); 1.2870 (0.7); 0.0280 (1.7)

I-660: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 9.7825 (1.4); 8.6910 (3.1); 8.6142 (1.7); 8.5991 (1.8); 8.1345 (0.8); 8.1174 (1.4); 7.6508 (0.7); 7.6445 (0.8); 7.6259 (2.6); 7.6066 (6.4); 7.6038 (6.3); 7.5861 (1.1); 7.5461 (2.8); 7.5294 (2.9); 7.5035 (6.0); 7.4760 (6.7); 7.4390 (1.8); 7.4289 (2.5); 7.4213 (2.2); 7.4030 (6.8); 7.3743 (3.6); 7.2987 (74.3); 7.2321 (0.4); 6.9477 (0.5); 5.3383 (0.4); 4.2724 (0.3); 4.2445 (0.8); 4.2221 (0.8); 4.1951 (0.9); 4.1794 (1.3); 4.1619 (0.7); 4.1502 (0.7); 4.1304 (1.4); 4.1129 (1.1); 4.0865 (0.9); 4.0676 (0.9); 2.1299 (0.8); 2.1162 (1.3); 2.1069 (1.3); 2.0932 (1.0); 1.7402 (0.7); 1.6403 (4.6); 1.4857 (0.7); 1.4603 (1.0); 1.4281 (0.6); 1.3738 (1.3); 1.2923 (16.0); 1.1437 (0.9); 1.0619 (0.5); 1.0379 (0.7); 1.0144 (0.6); 0.9744 (0.5); 0.9173 (2.6); 0.8916 (2.6); 0.8634 (1.8); 0.7753 (0.5); 0.7512 (0.5); 0.7258 (0.3); 0.6775 (0.4); 0.6534 (0.6); 0.6427 (0.8); 0.6234 (1.2); 0.6112 (0.8); 0.5884 (0.7); 0.5597 (0.9); 0.5481 (0.7); 0.5395 (0.9); 0.5266 (1.2); 0.5077 (0.9); 0.4849 (0.4); 0.4168 (0.5); 0.3975 (0.8); 0.3818 (1.0); 0.3632 (1.0); 0.3316 (0.4); 0.2324 (0.3); 0.1720 (0.4); 0.1502 (0.9); 0.1317 (0.9); 0.1183 (0.9); 0.1069 (2.1); 0.0479 (2.5); 0.0371 (73.0); 0.0263 (4.0); −0.0292 (0.5); −0.1624 (0.4)

I-661: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.2387 (1.8); 9.2234 (4.0); 9.2076 (2.1); 9.1876 (0.4); 8.8512 (12.8); 8.8301 (0.6); 8.7130 (7.0); 8.7007 (7.6); 8.1442 (16.0); 8.0961 (0.3); 8.0260 (1.4); 7.9603 (2.3); 7.8738 (6.8); 7.8045 (1.3); 7.7842 (4.0); 7.7640 (4.1); 7.7443 (5.6); 7.7312 (8.0); 7.7137 (7.6); 7.7013 (7.2); 7.6756 (0.5); 7.6488 (3.9); 7.6291 (2.9); 7.5693 (0.4); 7.5513 (0.4); 7.5186 (4.9); 7.4974 (7.1); 7.4817 (0.9); 7.4039 (4.0); 7.3997 (4.1); 7.3831 (3.3); 7.3788 (3.1); 4.3378 (1.6); 4.3219 (1.8); 4.3037 (3.7); 4.2878 (3.7); 4.2694 (2.3); 4.2537 (2.2); 4.2206 (0.3); 3.3333 (291.9); 2.8982 (13.9); 2.7389 (12.6); 2.5137 (23.5); 2.5095 (32.0); 2.5054 (24.6); 1.2420 (0.5)

I-662: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 11.2331 (0.7); 9.1405 (0.5); 9.1287 (0.7); 9.1215 (1.1); 9.1062 (2.4); 9.0899 (1.2); 8.3096 (6.2); 7.8264 (9.8); 7.7869 (0.6); 7.7752 (0.6); 7.7501 (1.1); 7.7302 (3.1); 7.7103 (2.8); 7.6855 (3.6); 7.6656 (2.0); 7.6430 (4.2); 7.6071 (0.4); 7.5776 (2.5); 7.5580 (1.8); 7.4401 (0.3); 7.3447 (0.6); 7.3249 (0.8); 7.3151 (3.6); 7.2950 (3.8); 7.1119 (1.2); 7.0919 (0.8); 7.0698 (4.6); 6.9190 (2.2); 6.9010 (2.0); 6.6428 (0.9); 6.4329 (0.5); 5.2202 (0.3); 4.2690 (0.4); 4.2136 (0.4); 4.2008 (0.5); 4.1936 (0.5); 4.1818 (0.4); 4.1319 (1.4); 4.1165 (1.5); 4.0947 (2.9); 4.0791 (2.8); 4.0574 (1.8); 4.0408 (1.5); 4.0150 (0.6); 3.9789 (0.4); 3.9435 (0.6); 3.9173 (0.7); 3.8990 (0.5); 3.8712 (0.4); 3.8655 (0.5); 3.8450 (0.5); 3.8321 (0.5); 3.8068 (0.4); 3.7953 (0.4); 3.7826 (0.4); 3.7592 (0.5); 3.7414 (0.5); 3.7150 (0.6); 3.6886 (0.8); 3.6750 (0.8); 3.6624 (0.7); 3.6528 (0.7); 3.6354 (0.5); 3.6216 (0.5); 3.5732 (0.6); 3.5661 (0.6); 3.4995 (0.9); 3.4760 (1.0); 3.4545 (1.4); 3.3353 (2896.4); 3.2640 (3.2); 3.2463 (6.7); 3.2288 (3.5); 3.0005 (4.0); 2.9831 (7.7); 2.9650 (3.3); 2.8756 (0.5); 2.8314 (0.8); 2.8083 (0.4); 2.7001 (0.8); 2.6808 (3.1); 2.6767 (4.9); 2.6721 (6.8); 2.6676 (5.2); 2.6466 (0.9); 2.6142 (1.1); 2.5930 (1.5); 2.5810 (1.4); 2.5424 (6.4); 2.5255 (16.8); 2.5205 (25.6); 2.5120 (353.2); 2.5077 (716.4); 2.5032 (941.3); 2.4987 (678.9); 2.4944 (328.6); 2.4185 (11.8); 2.3817 (2.4); 2.3606 (0.8); 2.3345 (4.0); 2.3299 (5.5); 2.3256 (4.1); 2.3039 (2.6); 2.2921 (1.3); 2.2202 (16.0); 2.1921 (0.8); 2.0723 (7.5); 1.9638 (0.4); 1.9449 (0.5); 1.4016 (0.5); 1.3787 (0.4); 1.3431 (0.4); 1.2344 (5.3); 0.8549 (0.6); 0.8126 (0.5); 0.7906 (0.4); 0.7717 (0.4); 0.7607 (0.5); 0.7397 (0.6); 0.7208 (0.5); 0.2184 (6.0); 0.2103 (7.8); 0.1595 (0.4); 0.1391 (0.8); 0.1204 (4.8); 0.1169 (4.2); 0.1102 (3.7); 0.0993 (22.8); 0.0931 (9.3); 0.0698 (7.2); 0.0335 (0.4); 0.0080 (1.8); −0.0001 (55.5); −0.0084 (1.8); −0.0230 (2.2); −0.0835 (0.4)

I-663: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.0033 (1.4); 7.4926 (0.9); 7.4894 (0.9); 7.4733 (1.6); 7.4571 (1.0); 7.3484 (2.4); 7.3283 (2.6); 7.2600 (15.5); 7.2422 (1.8); 7.2247 (1.1); 7.1152 (1.2); 7.0947 (1.9); 7.0740 (0.9); 7.0538 (3.3); 6.9417 (1.8); 6.9217 (1.6); 6.3956 (0.7); 6.3797 (1.1); 6.3664 (0.6); 6.0433 (0.6); 6.0350 (0.7); 6.0265 (0.7); 6.0180 (0.6); 5.9274 (0.6); 5.9190 (0.7); 5.9105 (0.7); 5.9023 (0.6); 4.2138 (0.3); 4.2048 (0.3); 4.1967 (0.4); 4.1891 (0.3); 4.1768 (0.4); 4.1685 (0.4); 4.1607 (0.4); 4.1506 (0.6); 4.1333 (0.3); 4.1245 (0.3); 4.1130 (0.4); 4.1046 (0.4); 4.0967 (0.4); 4.0878 (0.4); 3.9286 (0.4); 3.9141 (0.5); 3.8971 (0.4); 3.8752 (0.7); 3.8601 (0.8); 3.8429 (0.4); 3.8384 (0.4); 3.8225 (0.4); 2.9517 (9.1); 2.8757 (8.6); 2.4081 (16.0); 1.8676 (0.3); 1.8548 (0.7); 1.8463 (0.8); 1.8342 (1.3); 1.8216 (0.8); 1.8139 (0.7); 1.8008 (0.4); 1.5588 (15.8); 1.0195 (0.9); 1.0074 (2.4); 1.0028 (2.5); 0.9865 (2.4); 0.9822 (2.2); 0.9707 (0.8); 0.6884 (1.0); 0.6764 (3.1); 0.6642 (2.6); 0.6602 (2.9); 0.6479 (0.8); −0.0002 (14.9)

TABLE 2-continued

I-664: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 8.2259 (0.4); 7.3480 (0.3); 7.3342 (3.4); 7.3182 (3.6); 7.2621 (5.1); 7.1000 (1.1); 7.0840 (2.9); 7.0679 (2.9); 7.0580 (2.0); 7.0541 (2.2); 7.0438 (2.2); 7.0411 (2.5); 7.0253 (5.4); 6.9182 (2.4); 6.9026 (2.1); 6.8390 (1.6); 6.8351 (1.9); 6.8244 (3.3); 6.8105 (2.4); 6.8073 (2.1); 5.2965 (2.4); 4.2133 (1.8); 4.2064 (1.0); 4.2010 (1.8); 4.1940 (1.0); 4.1850 (3.7); 4.1726 (3.5); 4.1566 (1.9); 4.1443 (1.7); 3.0293 (5.8); 3.0144 (13.2); 3.0053 (4.2); 2.9995 (5.6); 2.9379 (1.6); 2.4744 (12.3); 2.3439 (0.4); 2.2899 (0.6); 2.2635 (16.0); 2.2420 (0.9); 2.2301 (6.2); 2.2215 (6.9); 2.2151 (14.5); 2.2087 (5.9); 2.2001 (5.1); 2.1906 (0.6); 2.1010 (0.6); 2.0907 (1.2); 2.0840 (1.3); 2.0739 (2.0); 2.0636 (1.3); 2.0570 (1.2); 2.0466 (0.6); 1.6143 (1.2); 1.2554 (0.5); 1.0491 (0.4); 1.0390 (1.6); 1.0298 (4.0); 1.0260 (3.9); 1.0168 (2.7); 1.0128 (4.2); 1.0090 (3.8); 1.0000 (1.7); 0.9871 (0.3); 0.7927 (0.3); 0.7895 (0.4); 0.7791 (2.0); 0.7697 (4.9); 0.7666 (4.6); 0.7597 (4.3); 0.7564 (4.6); 0.7466 (1.6); −0.0002 (7.1)
I-665: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.1021 (1.5); 9.0871 (3.0); 9.0728 (1.6); 8.0478 (12.4); 7.9609 (2.5); 7.6516 (4.8); 7.5684 (4.5); 7.5474 (5.6); 7.5180 (1.6); 7.4989 (3.0); 7.4782 (1.9); 7.3699 (3.2); 7.3649 (3.2); 7.3490 (2.8); 7.3439 (2.7); 7.1892 (13.2); 7.1716 (4.0); 7.1662 (4.8); 6.0607 (0.9); 6.0475 (1.7); 6.0358 (1.0); 5.9453 (0.9); 5.9325 (1.8); 5.9204 (1.0); 3.8949 (1.5); 3.8801 (2.4); 3.8711 (1.4); 3.8645 (1.2); 3.8372 (1.9); 3.8227 (2.8); 3.8115 (1.4); 3.3363 (157.4); 2.8986 (16.0); 2.7392 (14.2); 2.5143 (14.3); 2.5101 (19.8); 2.5059 (15.5); 1.5680 (0.9); 1.5522 (3.3); 1.5481 (3.5); 1.5331 (1.4); 1.5196 (1.2); 1.5035 (3.4); 1.4993 (3.6); 1.4848 (1.5); 1.2302 (1.1); 1.2141 (3.5); 1.2090 (4.2); 1.1913 (4.3); 1.1868 (3.8); 1.1706 (1.2)
I-666: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 8.8152 (1.0); 8.8015 (2.0); 8.7873 (1.1); 8.0559 (6.8); 7.9609 (0.8); 7.4756 (1.3); 7.4561 (2.9); 7.4367 (1.8); 7.2362 (2.3); 7.2170 (2.0); 7.1762 (5.3); 7.1547 (1.9); 7.0533 (2.5); 7.0342 (3.0); 6.9408 (3.7); 6.8231 (2.0); 6.8044 (1.8); 3.4757 (1.1); 3.4588 (2.6); 3.4412 (2.8); 3.4249 (1.4); 3.3376 (80.4); 3.1251 (0.6); 3.1030 (0.8); 3.0941 (1.1); 3.0694 (1.1); 3.0418 (0.7); 2.8989 (4.6); 2.8083 (2.2); 2.7896 (3.8); 2.7718 (2.2); 2.7396 (4.3); 2.5107 (11.6); 2.2661 (16.0); 2.1918 (14.6); 2.0509 (0.6); 2.0353 (0.7); 2.0211 (1.5); 2.0056 (1.8); 1.9938 (1.9); 1.9849 (1.1); 1.9747 (1.3); 1.9629 (0.9)
I-667: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 7.9973 (1.5); 7.4968 (0.8); 7.4937 (0.9); 7.4774 (1.6); 7.4646 (2.7); 7.4449 (2.5); 7.2738 (3.0); 7.2601 (12.8); 7.2342 (0.8); 7.2309 (0.8); 7.2139 (1.6); 7.1967 (1.0); 7.1166 (1.1); 7.1135 (1.0); 7.0962 (1.7); 7.0930 (1.6); 7.0759 (0.7); 7.0726 (0.7); 6.9885 (1.5); 6.9684 (1.4); 6.3962 (0.6); 6.3818 (1.0); 6.3667 (0.6); 4.4413 (1.0); 4.4253 (1.1); 4.4058 (2.2); 4.3898 (2.1); 4.3701 (1.1); 4.3542 (1.0); 2.9504 (10.0); 2.8725 (9.4); 2.3798 (16.0); 2.3077 (10.3); 2.2031 (0.4); 1.5610 (13.6); −0.0002 (13.1)
I-668: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 7.9959 (0.6); 7.4978 (0.8); 7.4945 (0.8); 7.4783 (1.5); 7.4743 (1.0); 7.4625 (0.9); 7.4589 (0.9); 7.4033 (2.5); 7.3344 (1.6); 7.3133 (3.0); 7.2687 (2.1); 7.2596 (17.5); 7.2319 (0.7); 7.2286 (0.8); 7.2115 (1.6); 7.1944 (1.0); 7.1910 (0.9); 7.1211 (1.1); 7.1177 (1.0); 7.1007 (1.7); 7.0973 (1.6); 7.0801 (0.7); 7.0771 (0.7); 6.4306 (0.6); 6.4164 (1.0); 6.4020 (0.6); 4.2430 (1.0); 4.2269 (1.0); 4.2071 (2.1); 4.1911 (2.0); 4.1712 (1.1); 4.1552 (1.0); 2.9507 (4.5); 2.8721 (4.2); 2.5255 (7.3); 2.3610 (16.0); 1.5520 (19.1); −0.0002 (17.6)
I-669: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.0112 (0.7); 7.4912 (0.9); 7.4752 (1.5); 7.4593 (0.9); 7.4561 (0.8); 7.3617 (2.1); 7.3420 (2.4); 7.2594 (34.3); 7.2433 (1.9); 7.2261 (1.0); 7.2227 (1.0); 7.1875 (2.7); 7.1180 (1.0); 7.1148 (1.0); 7.0978 (1.7); 7.0943 (1.7); 7.0773 (0.8); 7.0455 (1.6); 7.0242 (1.4); 6.3381 (0.9); 6.0595 (0.5); 6.0523 (0.6); 6.0443 (0.6); 6.0349 (0.5); 5.9432 (0.5); 5.9349 (0.6); 5.9278 (0.6); 5.9187 (0.6); 4.2146 (0.3); 4.1873 (0.4); 4.1778 (0.4); 4.1702 (0.4); 4.1609 (0.6); 4.1514 (0.3); 4.1438 (0.3); 4.1231 (0.4); 4.1148 (0.4); 4.1068 (0.4); 4.0978 (0.4); 3.9480 (0.4); 3.9326 (0.5); 3.9155 (0.4); 3.8931 (0.7); 3.8782 (0.7); 3.8614 (0.4); 3.8407 (0.4); 2.9532 (5.2); 2.8796 (4.8); 2.4186 (16.0); 2.3015 (11.2); 1.5477 (27.7); −0.0002 (34.2)
I-670: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 7.9957 (1.5); 7.4823 (1.0); 7.4643 (1.7); 7.4467 (1.1); 7.2795 (2.5); 7.2597 (12.0); 7.2496 (2.2); 7.2299 (1.2); 7.1062 (1.3); 7.0860 (2.1); 7.0654 (1.0); 7.0160 (1.9); 6.9945 (2.0); 6.9848 (3.3); 6.5205 (0.7); 6.5072 (1.1); 6.4926 (0.7); 5.9250 (0.6); 5.9176 (0.7); 5.9049 (0.7); 5.8971 (0.7); 5.8057 (0.6); 5.7987 (0.7); 5.7864 (0.7); 5.7785 (0.6); 4.1548 (0.3); 4.1474 (0.4); 4.1366 (0.4); 4.1297 (0.4); 4.1181 (0.4); 4.1105 (0.4); 4.1009 (0.4); 4.0932 (0.4); 4.0828 (0.4); 4.0747 (0.4); 4.0645 (0.3); 4.0568 (0.4); 4.0453 (0.4); 4.0375 (0.4); 4.0278 (0.4); 4.0202 (0.4); 3.7602 (0.4); 3.7471 (0.4); 3.7399 (0.4); 3.7252 (0.6); 3.7138 (0.5); 3.7025 (0.7); 3.6918 (0.5); 3.6807 (0.6); 3.6650 (0.3); 3.6583 (0.3); 2.9490 (8.7); 2.8712 (8.5); 2.4374 (16.0); 2.3636 (13.7); 2.2923 (12.4); 1.5659 (10.8); −0.0002 (9.3); −0.0015 (9.2)
I-671: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 7.9822 (1.6); 7.5465 (3.2); 7.4992 (0.9); 7.4961 (0.9); 7.4798 (1.5); 7.4638 (1.0); 7.4605 (0.9); 7.3538 (7.7); 7.2609 (7.8); 7.2365 (1.7); 7.2194 (1.0); 7.2163 (1.0); 7.1243 (1.1); 7.1211 (1.1); 7.1038 (1.8); 7.1007 (1.7); 7.0833 (0.8); 7.0801 (0.7); 6.5537 (0.6); 6.5398 (1.1); 6.5256 (0.6); 6.0270 (0.6); 6.0189 (0.7); 6.0101 (0.7); 6.0021 (0.6); 5.9109 (0.6); 5.9028 (0.7); 5.8941 (0.7); 5.8860 (0.6); 4.1618 (0.4); 4.1534 (0.4); 4.1453 (0.4); 4.1367 (0.5); 4.1182 (0.3); 4.0973 (0.4); 4.0894 (0.4); 4.0813 (0.4); 4.0733 (0.4); 3.9544 (0.4); 3.9386 (0.6); 3.9225 (0.4); 3.9179 (0.4); 3.9001 (0.6); 3.8830 (0.7); 3.8663 (0.4); 3.8617 (0.4); 3.8454 (0.4); 2.9480 (10.7); 2.8648 (10.0); 2.4083 (16.0); 1.5783 (8.3); −0.0002 (7.6)
I-672: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 8.2714 (16.0); 8.0546 (1.0); 8.0444 (1.6); 7.5095 (2.3); 7.5016 (1.8); 7.4938 (6.0); 7.4779 (4.5); 7.4692 (0.7); 7.4666 (0.6); 7.4517 (4.6); 7.4360 (2.3); 7.4131 (5.0); 7.3961 (9.4); 7.3899 (4.2); 7.3510 (0.5); 7.3469 (0.4); 7.3342 (0.4); 7.3301 (0.5); 7.3119 (3.2); 7.3081 (5.0); 7.3046 (3.3); 7.2598 (58.0); 7.2068 (3.5); 7.2027 (3.4); 7.1900 (3.0); 7.1860 (2.9); 7.1775 (2.3); 7.1756 (2.5); 7.1730 (2.4); 7.1711 (2.2); 7.1617 (2.0); 7.1597 (2.2); 7.1571 (2.2); 7.1551 (2.0); 7.1315 (0.6); 7.1280 (0.5); 7.1082 (0.4); 7.1033 (0.6); 7.0919 (0.4); 7.0874 (0.6); 7.0481 (0.3); 6.0652 (1.1); 6.0588 (1.2); 6.0512 (1.2); 6.0448 (1.3); 5.9721 (1.1); 5.9656 (1.3); 5.9581 (1.3); 5.9517 (1.3); 5.6815 (9.6); 5.5137 (3.6); 5.5073 (3.5); 5.2854 (7.6); 5.2837 (7.7); 5.1912 (7.5); 5.1895 (7.7); 4.2745 (0.7); 4.2679 (0.7); 4.2612 (0.7); 4.2546 (0.7); 4.2452 (0.8); 4.2386 (0.8); 4.2319 (0.8); 4.2252 (0.9); 4.2214 (0.9); 4.2148 (0.8); 4.2081 (0.8); 4.2015 (0.8); 4.1920 (0.9); 4.1854 (0.8); 4.1787 (0.9); 4.1722 (0.8); 3.8463 (0.7); 3.8359 (0.8); 3.8323 (0.8); 3.8220 (0.8); 3.8170 (0.7); 3.8065 (0.8); 3.8031 (1.5); 3.7928 (1.5); 3.7896 (0.9); 3.7790 (0.8); 3.7740 (0.8); 3.7637 (0.8); 3.7600 (0.7); 3.7497 (0.6); 2.9552 (0.5); 2.8824 (0.4); 1.5463 (5.0); 1.5031 (0.8); 1.5001 (0.8); 1.4882 (0.4); 1.1045 (0.5); 1.1013 (0.6); 1.0868 (0.6); 1.0838 (0.5); 0.0063 (2.5); −0.0002 (68.0); −0.0068 (2.6)

TABLE 2-continued

I-673: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 8.1539 (1.6); 7.5772 (1.2); 7.5670 (1.3); 7.4342 (0.7); 7.3779 (0.3); 7.3740 (0.4); 7.3702 (0.4); 7.2596 (8.6); 6.9500 (0.8); 6.8917 (0.6); 6.8886 (0.6); 6.8765 (1.2); 6.8600 (0.4); 5.5303 (1.6); 5.5172 (1.6); 5.2983 (0.5); 2.7317 (5.0); 2.3475 (0.5); 2.2436 (0.4); 2.2310 (4.2); 2.2175 (0.4); 2.1810 (4.2); 1.6361 (0.4); 1.6210 (0.4); 1.6055 (0.4); 1.5607 (1.5); 1.4786 (0.4); 1.4316 (0.8); 1.4222 (0.7); 1.4147 (0.4); 1.3493 (0.4); 1.3360 (0.9); 1.3330 (0.9); 1.2999 (1.4); 1.2924 (1.5); 1.2841 (2.1); 1.2552 (16.0); 1.2224 (2.0); 1.1597 (0.4); 1.1414 (0.3); 1.1334 (0.4); 1.1067 (0.5); 1.0727 (0.4); 0.9951 (0.4); 0.8934 (1.3); 0.8889 (1.1); 0.8802 (2.2); 0.8662 (1.4); 0.8440 (1.7); 0.0695 (6.3); −0.0002 (8.1); −0.0065 (0.4)
I-674: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.5095 (0.4); 8.4873 (0.6); 8.4659 (0.4); 8.1937 (0.7); 8.1839 (4.8); 7.6291 (2.4); 7.6118 (4.0); 7.5011 (1.8); 7.4424 (0.4); 7.4295 (0.8); 7.4204 (0.8); 7.4153 (1.2); 7.4091 (1.0); 7.3995 (0.7); 7.3909 (0.5); 7.2985 (4.3); 7.2853 (3.9); 7.2780 (1.3); 7.2628 (1.4); 7.2553 (4.6); 7.2441 (0.5); 7.0108 (0.5); 6.9996 (4.4); 6.9921 (1.4); 6.9769 (1.2); 6.9696 (3.6); 6.9582 (0.4); 5.6420 (0.5); 5.6195 (0.5); 5.5789 (4.7); 5.5565 (4.6); 2.7724 (16.0); 1.6288 (1.2); 1.3272 (0.4); 1.2930 (1.8); 0.9377 (0.4); 0.9183 (1.1); 0.8950 (0.5); 0.1083 (0.4); 0.0366 (3.7)
I-675: ^{1}H-NMR(499.9 MHz, d_6-DMSO):
δ = 9.1740 (1.4); 9.1624 (2.8); 9.1504 (1.4); 8.1040 (16.0); 7.7601 (5.2); 7.5561 (1.3); 7.5531 (1.5); 7.5406 (2.9); 7.5373 (2.3); 7.5350 (2.5); 7.5311 (2.2); 7.5283 (2.0); 7.5251 (1.9); 7.5181 (5.0); 7.5145 (5.2); 7.4998 (8.6); 7.4946 (1.8); 7.4828 (4.8); 7.4660 (1.8); 7.4630 (1.5); 7.3519 (2.4); 7.3356 (4.0); 7.3199 (1.8); 6.0458 (1.0); 6.0375 (1.4); 6.0339 (1.2); 6.0256 (1.0); 5.9535 (1.0); 5.9453 (1.4); 5.9416 (1.2); 5.9334 (1.1); 5.7609 (2.4); 4.6368 (9.9); 3.9214 (0.4); 3.9049 (0.8); 3.8925 (1.4); 3.8804 (1.2); 3.8753 (1.4); 3.8720 (1.2); 3.8633 (1.2); 3.8597 (1.1); 3.8540 (0.6); 3.8469 (1.6); 3.8351 (1.6); 3.8272 (1.0); 3.8244 (1.1); 3.8161 (0.8); 3.8065 (0.3); 3.7981 (0.3); 3.7955 (0.4); 3.3205 (35.1); 2.5151 (4.5); 2.5115 (9.7); 2.5079 (13.6); 2.5042 (9.9); 2.5007 (4.7)
I-676: ^{1}H-NMR(499.9 MHz, d_6-DMSO):
δ = 9.0925 (1.4); 9.0809 (2.9); 9.0689 (1.5); 8.0075 (16.0); 7.6863 (6.0); 7.4577 (0.8); 7.4540 (0.7); 7.4494 (1.2); 7.4460 (0.9); 7.4410 (1.7); 7.4373 (1.9); 7.4325 (6.0); 7.4290 (7.8); 7.4264 (10.9); 7.4097 (1.7); 7.2815 (0.7); 7.2759 (0.9); 7.2685 (1.4); 7.2617 (2.3); 7.2502 (2.2); 7.2433 (3.8); 7.2361 (5.7); 7.2257 (4.5); 7.2101 (0.5); 7.1783 (1.4); 7.1671 (1.2); 7.1645 (1.0); 7.1592 (0.6); 6.4529 (0.8); 6.4510 (0.9); 6.4221 (0.8); 6.4097 (0.7); 6.3901 (2.0); 6.3778 (0.4); 6.3667 (1.9); 5.9758 (1.0); 5.9674 (1.5); 5.9622 (1.6); 5.9558 (1.2); 5.9476 (2.5); 5.9387 (0.8); 5.9334 (2.4); 5.9245 (2.2); 5.9192 (0.8); 5.9103 (2.2); 5.8961 (0.7); 5.8837 (1.0); 5.8754 (1.5); 5.8722 (1.4); 5.8636 (1.1); 5.6897 (10.5); 3.8505 (0.4); 3.8339 (0.8); 3.8215 (1.5); 3.8172 (1.2); 3.8145 (1.3); 3.8050 (1.8); 3.7946 (1.1); 3.7883 (1.1); 3.7758 (1.7); 3.7665 (1.3); 3.7591 (1.3); 3.7565 (1.3); 3.7478 (0.9); 3.7384 (0.3); 3.7275 (0.3); 3.2513 (24.2); 2.4443 (2.8); 2.4407 (5.9); 2.4371 (8.2); 2.4334 (5.9); 2.4299 (2.7); 1.8430 (2.0); 1.8417 (2.0); 1.8309 (2.1); 1.7420 (7.4); 1.7276 (7.3)
I-677: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.2943 (16.0); 7.9246 (1.0); 7.9076 (1.5); 7.8885 (1.0); 7.5424 (1.5); 7.5368 (1.8); 7.5218 (1.7); 7.5163 (3.4); 7.5109 (2.2); 7.4960 (1.9); 7.4904 (2.1); 7.4712 (4.5); 7.4425 (8.9); 7.4373 (5.5); 7.4313 (4.2); 7.4233 (1.8); 7.4177 (1.6); 7.3993 (1.7); 7.3953 (3.2); 7.3904 (2.3); 7.3723 (2.4); 7.3666 (2.1); 7.2990 (12.1); 7.2879 (3.5); 7.2839 (6.5); 7.2770 (3.8); 7.2611 (3.7); 7.2567 (5.8); 7.2491 (2.9); 7.2348 (1.6); 7.2305 (1.6); 6.1406 (1.1); 6.1300 (1.2); 6.1181 (1.2); 6.1073 (1.2); 5.9858 (1.1); 5.9752 (1.2); 5.9633 (1.2); 5.9526 (1.2); 4.3346 (0.7); 4.3238 (0.7); 4.3127 (0.7); 4.3018 (0.7); 4.2858 (0.9); 4.2750 (0.9); 4.2639 (0.8); 4.2529 (0.9); 4.2483 (0.9); 4.2373 (0.7); 4.2262 (0.7); 4.2153 (0.7); 4.1993 (0.9); 4.1885 (0.8); 4.1774 (0.9); 4.1665 (0.8); 3.9544 (0.8); 3.9366 (1.0); 3.9319 (1.0); 3.9140 (0.9); 3.9057 (0.7); 3.8877 (0.8); 3.8808 (1.2); 3.8629 (1.3); 3.8579 (1.0); 3.8400 (0.9); 3.8317 (0.8); 3.8138 (0.7); 3.8091 (0.8); 3.7912 (0.6); 3.4190 (9.4); 2.0425 (3.6); 1.5979 (7.7); 0.0485 (0.5); 0.0377 (15.5); 0.0267 (0.5)
I-678: ^{1}H-NMR(499.9 MHz, d_6-DMSO):
δ = 9.1223 (1.4); 9.1106 (3.0); 9.0989 (1.4); 8.7612 (5.2); 8.7588 (5.1); 8.7465 (4.3); 8.7441 (3.9); 8.7417 (4.2); 8.1158 (16.0); 8.0279 (4.3); 7.7569 (5.8); 7.5324 (1.7); 7.5289 (1.5); 7.5156 (5.5); 7.5121 (5.8); 7.5017 (9.2); 7.4850 (2.7); 7.3599 (2.5); 7.2497 (5.5); 7.1396 (2.7); 6.0466 (1.1); 6.0362 (2.2); 6.0262 (1.1); 5.9543 (1.1); 5.9440 (2.4); 5.9339 (1.1); 5.7612 (2.9); 3.9010 (1.9); 3.8899 (3.2); 3.8790 (1.7); 3.8547 (2.0); 3.8436 (3.3); 3.8327 (1.8); 3.3206 (88.8); 2.5151 (7.4); 2.5116 (15.6); 2.5080 (21.4); 2.5045 (15.4); 2.5010 (7.2)
I-679: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 12.0589 (2.7); 9.3335 (1.2); 9.3178 (2.6); 9.3023 (1.2); 7.7485 (1.0); 7.7288 (3.0); 7.7092 (2.9); 7.6889 (3.4); 7.6692 (1.5); 7.6174 (4.0); 7.5772 (2.3); 7.5574 (1.7); 7.3318 (3.5); 7.3118 (3.9); 7.0989 (4.2); 6.9637 (2.2); 6.9443 (2.0); 4.1789 (1.0); 4.1627 (1.0); 4.1411 (2.2); 4.1255 (2.1); 4.1034 (1.1); 4.0875 (1.1); 4.0381 (0.8); 4.0203 (0.8); 3.3268 (20.8); 2.6761 (0.4); 2.6714 (0.5); 2.6670 (0.4); 2.5547 (1.6); 2.5375 (2.8); 2.5250 (2.9); 2.5201 (3.6); 2.5114 (28.6); 2.5070 (58.9); 2.5025 (78.2); 2.4979 (56.3); 2.4935 (27.2); 2.4316 (11.1); 2.3338 (0.4); 2.3292 (0.5); 2.3248 (0.4); 2.2473 (16.0); 2.2225 (4.6); 2.2061 (2.0); 2.0748 (1.5); 1.9890 (3.4); 1.5552 (4.3); 1.5465 (4.8); 1.5381 (4.7); 1.1930 (1.0); 1.1753 (1.9); 1.1575 (1.0); −0.0002 (2.1)
I-680: ^{1}H-NMR(499.9 MHz, d_6-DMSO):
δ = 9.1982 (1.1); 9.1860 (2.3); 9.1737 (1.1); 8.7591 (4.0); 8.7565 (4.0); 8.7117 (3.4); 8.7094 (3.0); 8.7067 (3.4); 8.0604 (14.6); 7.9985 (3.4); 7.3628 (2.0); 7.3214 (3.7); 7.3055 (4.0); 7.2527 (4.4); 7.1426 (2.2); 7.0747 (4.1); 6.9219 (2.2); 6.9061 (2.0); 5.7611 (1.6); 4.1404 (1.1); 4.1283 (1.2); 4.1110 (2.5); 4.0987 (2.4); 4.0813 (1.2); 4.0691 (1.1); 3.3217 (52.2); 2.5150 (4.4); 2.5115 (8.9); 2.5078 (12.2); 2.5042 (8.8); 2.5006 (4.2); 2.4215 (11.2); 2.2141 (16.0)
I-681: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.2825 (12.7); 7.8864 (0.8); 7.8689 (1.3); 7.8508 (0.8); 7.5355 (1.2); 7.5299 (1.4); 7.5150 (1.4); 7.5095 (2.8); 7.5041 (1.8); 7.4893 (1.5); 7.4836 (1.6); 7.3959 (1.2); 7.3903 (1.4); 7.3780 (3.8); 7.3681 (2.8); 7.3631 (2.1); 7.3514 (4.2); 7.3455 (2.5); 7.3395 (1.8); 7.2987 (7.0); 7.2741 (2.3); 7.2701 (2.3); 7.2474 (2.8); 7.2438 (3.0); 7.2209 (1.2); 7.2167 (1.3); 7.0646 (3.8); 6.9815 (2.1); 6.9549 (1.8); 4.3032 (2.1); 4.2832 (2.0); 4.2557 (4.3); 4.2358 (4.2); 4.2083 (2.2); 4.1883 (2.1); 3.4149 (7.7); 2.5155 (6.5); 2.5085 (11.8); 2.5011 (6.5); 2.3111 (16.0); 1.6076 (9.0); 0.1107 (1.0); 0.0389 (7.8)
I-682: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.3079 (7.8); 7.8705 (0.8); 7.6200 (1.9); 7.6152 (3.0); 7.6105 (2.1); 7.4915 (3.3); 7.4856 (5.6); 7.4777 (1.3); 7.4659 (2.5); 7.4625 (2.9); 7.4564 (4.0); 7.4500 (2.7); 7.4154 (4.0); 7.3876 (1.7); 7.2988

TABLE 2-continued

(25.5); 6.1238 (0.6); 6.1136 (0.6); 6.0989 (0.7); 6.0890 (0.6); 5.9677 (0.6); 5.9575 (0.7); 5.9426 (0.7); 5.9327 (0.6); 4.3804 (0.4); 4.3703 (0.4); 4.3575 (0.4); 4.3470 (0.4); 4.3319 (0.4); 4.3216 (0.4); 4.3085 (0.4); 4.2985 (0.5); 4.2857 (0.4); 4.2755 (0.4); 4.2627 (0.4); 4.2521 (0.4); 4.2371 (0.5); 4.2267 (0.4); 4.2139 (0.4); 4.2034 (0.4); 3.8595 (0.4); 3.8432 (0.5); 3.8347 (0.4); 3.8182 (0.5); 3.8109 (0.4); 3.7922 (0.6); 3.7859 (0.5); 3.7759 (0.5); 3.7681 (0.6); 3.7504 (0.4); 3.7433 (0.4); 3.7268 (0.4); 3.7180 (0.4); 3.7019 (0.4); 1.7269 (0.3); 1.6292 (0.9); 1.5260 (0.4); 1.4614 (0.8); 1.3714 (0.9); 1.3225 (1.6); 1.2931 (16.0); 1.1409 (0.5); 1.1022 (0.4); 1.0383 (0.9); 1.0160 (0.8); 0.9184 (1.6); 0.8951 (1.2); 0.8643 (1.0); 0.8405 (0.5); 0.0491 (0.7); 0.0382 (29.4); 0.0273 (1.3)

I-683: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 7.5496 (0.6); 7.5295 (3.1); 7.5146 (7.5); 7.4379 (4.1); 7.4075 (0.5); 7.3946 (1.6); 7.3880 (2.3); 7.3825 (2.0); 7.3727 (1.9); 7.3523 (3.4); 7.3323 (3.6); 7.2585 (8.3); 7.0533 (4.4); 6.9936 (2.5); 6.9737 (2.2); 6.5571 (1.1); 6.5423 (2.0); 6.5277 (1.2); 4.4407 (0.7); 4.4181 (1.8); 4.3990 (1.6); 4.3755 (1.8); 4.3526 (2.2); 4.3300 (0.9); 4.2287 (1.0); 4.2130 (1.0); 4.1924 (1.8); 4.1767 (1.8); 4.1546 (1.9); 4.1392 (1.7); 4.1187 (1.1); 4.1034 (1.0); 2.4717 (12.1); 2.2970 (16.0); 2.1487 (0.7); 2.1374 (0.6); 2.1296 (0.8); 2.1192 (1.3); 2.1005 (1.3); 2.0899 (0.9); 2.0821 (0.6); 2.0706 (0.8); 1.6653 (0.5); 1.6533 (0.6); 1.6450 (0.7); 1.6362 (1.2); 1.6249 (1.2); 1.6166 (1.2); 1.6051 (1.4); 1.5968 (0.8); 1.5880 (0.7); 1.5759 (0.7); 1.5505 (4.3); 1.3710 (0.6); 1.3611 (0.7); 1.3516 (1.0); 1.3409 (1.3); 1.3285 (1.0); 1.3202 (1.3); 1.3091 (1.1); 1.3000 (0.7); 1.2896 (0.6); 1.2562 (0.6); −0.0002 (7.6)

I-684: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 7.5444 (0.6); 7.5244 (3.0); 7.5089 (7.6); 7.4362 (4.1); 7.4062 (0.5); 7.3933 (1.7); 7.3868 (2.3); 7.3812 (1.9); 7.3709 (1.9); 7.3574 (3.5); 7.3373 (3.6); 7.2587 (10.5); 7.0455 (4.4); 6.9806 (2.4); 6.9610 (2.2); 6.5190 (1.0); 6.5041 (1.9); 6.4891 (1.1); 6.0354 (0.4); 6.0213 (0.9); 6.0084 (0.9); 5.9948 (1.3); 5.9790 (1.4); 5.9656 (1.1); 5.9523 (1.2); 5.9383 (0.6); 5.4883 (2.5); 5.4455 (2.2); 5.3691 (2.8); 5.3430 (2.6); 4.8212 (5.7); 4.8073 (5.6); 4.2273 (1.5); 4.2118 (1.6); 4.1901 (3.3); 4.1746 (3.2); 4.1529 (1.8); 4.1374 (1.6); 2.4769 (11.9); 2.3153 (0.6); 2.2904 (16.0); 1.5495 (4.8); 1.2561 (1.0); 0.8445 (0.4); −0.0002 (10.0)

I-685: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 12.5375 (0.7); 7.9974 (8.5); 7.5864 (3.8); 7.5600 (0.6); 7.5205 (2.2); 7.4964 (2.9); 7.4681 (1.3); 7.4414 (3.4); 7.4275 (3.2); 7.4018 (2.4); 7.3818 (3.2); 7.3560 (3.5); 7.2991 (9.5); 7.1637 (0.4); 7.1512 (0.4); 7.1267 (2.5); 7.1153 (2.7); 7.1016 (3.0); 7.0693 (5.5); 4.6129 (1.2); 4.5648 (2.4); 4.5173 (1.3); 3.1447 (0.4); 2.9206 (0.4); 2.9063 (0.7); 2.8942 (1.1); 2.8826 (1.6); 2.8702 (1.7); 2.8584 (1.2); 2.8466 (0.7); 2.5304 (1.0); 2.5009 (11.0); 2.4262 (0.3); 2.4015 (0.5); 2.3668 (16.0); 2.3199 (0.6); 1.7102 (0.3); 1.4595 (0.4); 1.3693 (0.5); 1.3212 (0.8); 1.2922 (1.6); 0.9217 (1.1); 0.8983 (4.4); 0.8791 (4.4); 0.8568 (1.6); 0.8278 (0.4); 0.6624 (1.3); 0.6390 (3.9); 0.6330 (3.6); 0.6090 (1.0); 0.0471 (0.4); 0.0363 (9.7); 0.0258 (0.5)

I-686: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 8.2537 (10.6); 7.9221 (0.9); 7.9115 (1.5); 7.9007 (0.8); 7.3418 (3.7); 7.3258 (4.0); 7.2774 (1.0); 7.2733 (1.3); 7.2596 (15.3); 7.2490 (5.2); 7.2443 (2.4); 7.2342 (4.1); 7.2180 (1.6); 7.1956 (1.8); 7.1917 (1.6); 7.1830 (1.7); 7.1804 (1.5); 7.1773 (1.8); 7.1696 (1.0); 7.1640 (0.8); 7.0345 (3.9); 6.9494 (2.2); 6.9335 (1.9); 5.2978 (0.4); 4.2480 (1.2); 4.2421 (1.2); 4.2361 (1.2); 4.2302 (1.2); 4.2193 (2.2); 4.2132 (2.2); 4.2074 (2.1); 4.2013 (2.0); 4.1904 (1.2); 4.1844 (1.3); 4.1784 (1.1); 4.1726 (1.2); 4.1585 (2.2); 4.1531 (2.7); 4.1456 (2.0); 3.2218 (2.9); 3.2135 (3.0); 3.2107 (3.1); 3.2024 (2.8); 2.8450 (3.0); 2.8400 (3.0); 2.8338 (2.8); 2.8288 (2.7); 2.4769 (11.4); 2.2801 (16.0); 1.5477 (11.6); 0.0060 (1.1); −0.0002 (16.1); −0.0067 (0.5)

I-687: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5896 (0.6); 7.5634 (3.2); 7.5423 (9.3); 7.5250 (0.8); 7.4674 (4.3); 7.4503 (0.6); 7.4329 (1.9); 7.4235 (2.9); 7.4161 (2.2); 7.4056 (4.9); 7.3797 (4.2); 7.2992 (21.5); 7.1133 (1.0); 7.0807 (4.9); 7.0230 (2.4); 6.9960 (2.1); 6.5335 (0.5); 5.3379 (0.5); 4.5686 (4.2); 4.5599 (3.2); 4.5543 (4.6); 4.5481 (3.3); 4.5398 (4.5); 4.4309 (0.8); 4.4077 (2.2); 4.3844 (2.3); 4.3611 (0.8); 4.2787 (0.6); 4.2642 (1.8); 4.2435 (1.7); 4.2286 (1.3); 4.2145 (3.8); 4.1937 (3.6); 4.1788 (0.8); 4.1657 (2.5); 4.1436 (2.7); 4.1195 (0.4); 3.8071 (4.5); 3.7988 (3.3); 3.7925 (4.6); 3.7869 (3.4); 3.7782 (4.3); 3.6217 (2.5); 3.5984 (7.7); 3.5751 (7.8); 3.5518 (2.6); 2.5224 (13.2); 2.5159 (10.0); 2.3750 (0.4); 2.3354 (5.0); 2.3148 (15.3); 2.0810 (4.4); 1.6136 (9.0); 1.4922 (2.3); 1.4689 (4.7); 1.4456 (2.3); 1.3199 (1.3); 1.2959 (2.8); 1.2722 (1.3); 1.2292 (8.0); 1.2059 (16.0); 1.1825 (7.7); 0.1085 (0.6); 0.0490 (0.6); 0.0381 (17.4); 0.0274 (0.7)

I-688: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.6091 (0.4); 7.5823 (3.2); 7.5786 (3.2); 7.5733 (3.0); 7.5651 (6.9); 7.5621 (7.7); 7.4769 (3.7); 7.4546 (0.5); 7.4401 (1.6); 7.4278 (2.1); 7.4210 (2.0); 7.4102 (1.6); 7.3935 (3.7); 7.3667 (4.1); 7.2990 (16.0); 7.1021 (4.1); 7.0394 (2.2); 7.0129 (1.9); 6.7150 (1.0); 6.6941 (1.9); 6.6737 (1.0); 6.4974 (0.4); 6.4910 (0.7); 6.4843 (1.0); 6.4777 (1.0); 6.4712 (0.7); 6.4646 (0.4); 6.4449 (0.7); 6.4385 (1.0); 6.4319 (1.4); 6.4251 (1.4); 6.4186 (1.0); 6.4120 (0.6); 6.2320 (0.4); 6.2178 (0.6); 6.2113 (1.2); 6.2047 (0.7); 6.1972 (0.7); 6.1904 (1.2); 6.1838 (0.8); 6.1694 (0.6); 6.1589 (0.8); 6.1522 (0.5); 6.1446 (0.4); 6.1378 (0.8); 6.1314 (0.4); 4.9230 (0.8); 4.9146 (2.6); 4.9062 (4.0); 4.8993 (4.0); 4.8940 (3.9); 4.8856 (2.5); 4.8768 (0.8); 4.2853 (1.7); 4.2644 (1.6); 4.2358 (3.5); 4.2147 (3.4); 4.1860 (1.8); 4.1650 (1.8); 2.5172 (11.8); 2.3478 (16.0); 1.6035 (12.6); 0.0494 (0.5); 0.0385 (14.8); 0.0276 (0.6)

I-689: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.6272 (1.4); 7.6097 (1.9); 7.5080 (0.9); 7.4524 (0.4); 7.4438 (0.4); 7.4370 (0.5); 7.4307 (0.5); 7.2990 (18.0); 7.2384 (11.6); 4.1937 (0.9); 4.1705 (1.9); 4.1480 (1.1); 3.1693 (0.8); 3.1483 (1.2); 3.1434 (1.2); 3.1267 (0.5); 3.1194 (0.5); 2.2299 (8.0); 1.5857 (16.0); 1.3041 (0.5); 0.9201 (0.5); 0.1072 (1.5); 0.0487 (0.6); 0.0379 (19.5); 0.0270 (0.8)

I-690: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.6582 (2.0); 8.6544 (2.1); 8.5940 (1.9); 8.5858 (1.8); 7.7669 (1.7); 7.3935 (1.9); 7.3668 (2.2); 7.2989 (6.9); 7.0993 (2.2); 7.0343 (1.2); 7.0081 (1.0); 6.9628 (1.2); 6.7774 (2.4); 6.7603 (0.5); 6.7391 (1.0); 6.7186 (0.5); 6.5921 (1.2); 4.2916 (0.9); 4.2708 (0.9); 4.2425 (2.0); 4.2217 (1.9); 4.1933 (1.0); 4.1725 (1.0); 2.5285 (6.3); 2.3985 (16.0); 2.3608 (2.0); 2.3427 (8.5); 1.6419 (1.0); 0.0370 (8.2)

I-691: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.5678 (0.6); 8.1513 (5.1); 7.6233 (1.5); 7.6173 (1.3); 7.6125 (1.3); 7.6053 (3.6); 7.6021 (3.8); 7.5046 (1.8); 7.4665 (0.7); 7.4549 (1.0); 7.4483 (0.9); 7.4363 (0.7); 7.4282 (0.4); 7.2988 (2.7); 7.1752 (2.9); 7.0357 (3.1); 4.3377 (1.8); 4.3250 (1.6); 4.3203 (2.2); 4.3133 (1.6); 4.3019 (2.2); 4.0210 (1.1); 4.0096 (0.9); 4.0027 (2.2); 3.9913 (1.1); 3.9848 (2.0); 3.9668 (0.9); 2.8347 (0.6); 2.7507 (16.0); 2.0380 (0.5); 1.9595 (11.8); 1.8550 (0.8); 0.1052 (0.6); 0.0330 (2.7)

TABLE 2-continued

I-692: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.4600 (0.5); 7.4487 (0.5); 7.4387 (1.0); 7.4274 (1.1); 7.4168 (0.5); 7.4060 (0.6); 7.3827 (1.7); 7.3561 (2.0); 7.2988 (4.5); 7.1927 (2.8); 7.1884 (1.7); 7.1819 (1.5); 7.1786 (1.6); 7.1673 (2.6); 7.0769 (1.9); 6.9780 (1.0); 6.9511 (0.9); 6.9039 (1.0); 6.8665 (1.0); 6.8448 (1.1); 6.8074 (1.1); 6.5167 (0.4); 6.4959 (0.8); 6.4752 (0.4); 5.9049 (1.8); 5.9023 (1.8); 5.8459 (1.6); 5.8433 (1.6); 5.4788 (1.8); 5.4763 (1.8); 5.4415 (1.6); 5.4389 (1.7); 4.2890 (0.9); 4.2680 (0.9); 4.2411 (1.9); 4.2200 (1.8); 4.1931 (1.0); 4.1720 (0.9); 2.5285 (5.8); 2.5219 (3.3); 2.3769 (16.0); 2.3205 (7.8); 1.6276 (0.7); 0.0384 (4.5)
I-693: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 8.8691 (0.7); 8.8549 (1.4); 8.8406 (0.7); 7.9625 (0.9); 7.5001 (0.7); 7.4793 (1.4); 7.4587 (0.9); 7.1428 (3.7); 7.1348 (4.1); 7.0529 (1.8); 7.0338 (2.1); 6.9450 (2.6); 6.8325 (1.5); 6.8135 (1.2); 3.5181 (0.9); 3.5016 (2.1); 3.4850 (2.1); 3.4687 (0.9); 3.3123 (14.1); 2.9001 (4.6); 2.8048 (1.6); 2.7871 (3.0); 2.7694 (1.4); 2.7413 (4.4); 2.5101 (8.2); 2.2591 (16.0); 2.1998 (10.3); 1.5603 (0.5); 1.5416 (1.7); 1.5242 (0.6); 1.5117 (0.5); 1.4934 (1.7); 1.4757 (0.6); 1.2196 (0.6); 1.1990 (2.1); 1.1809 (2.0); 1.1596 (0.4)
I-694: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 8.8749 (0.9); 8.8607 (1.7); 8.8465 (0.8); 7.9622 (0.8); 7.4582 (0.9); 7.4384 (1.9); 7.4171 (1.2); 7.2123 (2.0); 7.1929 (1.7); 7.1188 (5.4); 7.1021 (1.7); 7.0546 (2.1); 7.0355 (2.5); 6.9485 (3.1); 6.8385 (1.7); 6.8200 (1.4); 3.5129 (1.0); 3.4960 (2.4); 3.4796 (2.4); 3.4629 (1.0); 3.3125 (20.4); 3.1136 (0.5); 3.0929 (0.6); 3.0833 (0.9); 3.0609 (0.9); 3.0305 (0.5); 2.9001 (4.6); 2.8035 (1.9); 2.7857 (3.4); 2.7679 (1.7); 2.7413 (4.4); 2.5099 (10.4); 2.2622 (15.5); 2.2565 (16.0); 2.2025 (12.2); 2.0638 (0.4); 2.0441 (0.6); 2.0296 (0.6); 2.0135 (1.0); 1.9984 (1.1); 1.9836 (1.2); 1.9709 (1.3); 1.9624 (0.7); 1.9503 (0.8); 1.9398 (0.6)
I-695: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ =9.3120 (1.0); 9.2967 (2.1); 9.2810 (1.0); 7.9623 (1.6); 7.4567 (1.2); 7.4360 (2.3); 7.4152 (1.6); 7.3407 (2.6); 7.3207 (2.9); 7.2117 (2.4); 7.1924 (2.0); 7.1115 (8.5); 7.0956 (2.4); 7.0092 (2.0); 6.9896 (1.8); 4.1588 (0.9); 4.1437 (1.0); 4.1213 (2.0); 4.1059 (1.9); 4.0837 (1.1); 4.0680 (0.9); 3.3123 (28.2); 3.1148 (0.6); 3.0926 (0.8); 3.0832 (1.1); 3.0618 (1.1); 3.0525 (0.8); 3.0307 (0.7); 2.9001 (8.7); 2.7413 (8.1); 2.5101 (13.6); 2.4424 (9.5); 2.2632 (12.7); 2.1950 (16.0); 2.0440 (0.6); 2.0306 (0.8); 2.0140 (1.1); 1.9982 (1.3); 1.9867 (1.1); 1.9768 (1.0); 1.9661 (1.5); 1.9546 (0.8); 1.9438 (0.9); 1.9330 (0.8); 1.9236 (0.3)
I-696: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.1849 (1.4); 9.1700 (2.6); 9.1557 (1.3); 7.9623 (2.6); 7.6621 (4.4); 7.5590 (2.1); 7.5530 (2.3); 7.5380 (2.7); 7.5320 (2.8); 7.4599 (1.5); 7.4408 (3.3); 7.4201 (2.1); 7.3963 (1.7); 7.3826 (2.1); 7.3669 (1.3); 7.2172 (3.3); 7.1981 (2.7); 7.1149 (9.4); 7.0971 (2.7); 6.0529 (0.9); 6.0403 (1.7); 6.0283 (0.9); 5.9364 (0.9); 5.9251 (1.8); 5.9134 (0.9); 3.9351 (1.5); 3.9226 (2.5); 3.9093 (1.6); 3.8748 (1.5); 3.8630 (2.5); 3.8497 (1.5); 3.3118 (43.7); 3.1165 (0.8); 3.0955 (1.1); 3.0859 (1.5); 3.0643 (1.6); 3.0333 (0.9); 2.9001 (14.2); 2.7412 (13.3); 2.5099 (20.7); 2.2518 (16.0); 2.0659 (0.4); 2.0454 (0.8); 2.0320 (1.0); 2.0153 (1.6); 2.0010 (1.9); 1.9908 (1.5); 1.9831 (1.6); 1.9697 (2.3); 1.9598 (1.2); 1.9483 (1.3); 1.9375 (1.1); 1.9177 (0.3)
I-697: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5955 (0.4); 7.5793 (0.5); 7.3835 (0.5); 7.3559 (0.5); 7.3037 (7.4); 7.2204 (0.8); 7.0712 (0.5); 7.0436 (0.4); 6.2394 (0.5); 3.0793 (0.3); 2.0884 (0.8); 1.6162 (0.4); 1.4653 (0.4); 1.3730 (0.7); 1.3260 (1.9); 1.2979 (16.0); 1.1958 (0.6); 1.1699 (0.5); 1.1454 (0.7); 1.0889 (0.4); 0.9233 (1.6); 0.8982 (1.8); 0.8744 (1.3); 0.7569 (0.4); 0.0427 (6.8)
I-698: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 8.2690 (0.6); 8.2633 (11.7); 7.9122 (1.1); 7.9032 (1.0); 7.5516 (3.6); 7.3767 (0.7); 7.3574 (10.4); 7.3408 (0.6); 7.2970 (0.6); 7.2930 (0.7); 7.2894 (0.6); 7.2850 (0.9); 7.2808 (1.4); 7.2771 (1.4); 7.2733 (1.6); 7.2687 (2.4); 7.2611 (13.1); 7.2563 (1.6); 7.2483 (3.7); 7.2322 (1.4); 7.2046 (1.6); 7.2008 (1.6); 7.1920 (1.6); 7.1891 (1.4); 7.1863 (1.6); 7.1785 (0.9); 7.1730 (0.8); 6.0574 (1.0); 6.0509 (1.1); 6.0439 (1.1); 6.0374 (1.0); 5.9645 (1.0); 5.9580 (1.1); 5.9510 (1.1); 5.9445 (1.0); 5.2983 (16.0); 4.2748 (0.3); 4.2702 (0.4); 4.2685 (0.4); 4.2637 (0.4); 4.2618 (0.4); 4.2571 (0.4); 4.2553 (0.4); 4.2507 (0.4); 4.2454 (0.4); 4.2409 (0.5); 4.2392 (0.5); 4.2343 (0.5); 4.2325 (0.5); 4.2277 (0.5); 4.2259 (0.6); 4.2217 (0.6); 4.2187 (0.5); 4.2120 (0.4); 4.2100 (0.5); 4.2054 (0.5); 4.2036 (0.5); 4.1989 (0.4); 4.1937 (0.5); 4.1892 (0.5); 4.1874 (0.5); 4.1826 (0.5); 4.1807 (0.6); 4.1759 (0.5); 4.1742 (0.6); 4.1695 (0.5); 4.1631 (2.0); 4.1577 (2.4); 4.1555 (2.4); 4.1502 (2.1); 3.8831 (0.5); 3.8723 (0.6); 3.8699 (0.6); 3.8590 (0.6); 3.8538 (0.5); 3.8396 (0.9); 3.8289 (0.9); 3.8141 (0.6); 3.8092 (0.5); 3.7979 (0.6); 3.7849 (0.4); 3.2235 (2.7); 3.2153 (2.8); 3.2124 (3.2); 3.2041 (2.9); 2.8493 (1.9); 2.8479 (2.1); 2.8444 (2.1); 2.8429 (2.2); 2.8382 (2.0); 2.8367 (2.1); 2.8332 (2.0); 2.8317 (2.1); 2.1690 (0.4); 2.0039 (0.6); 1.5574 (3.6); 0.0063 (0.4); −0.0002 (13.2); −0.0067 (0.8)
I-699: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 8.2424 (10.1); 8.0626 (1.0); 8.0518 (1.6); 8.0410 (0.9); 7.3970 (2.1); 7.3811 (4.2); 7.3652 (2.5); 7.3216 (3.5); 7.3056 (3.7); 7.2563 (3.1); 7.0529 (2.4); 7.0483 (2.6); 7.0370 (5.9); 7.0129 (2.7); 6.9974 (2.4); 6.9460 (2.3); 6.9301 (2.1); 6.9011 (3.0); 6.8977 (4.0); 4.7299 (0.8); 4.7243 (1.1); 4.7197 (0.9); 4.7177 (1.0); 4.7119 (1.0); 4.7075 (0.7); 4.6027 (0.8); 4.5971 (1.1); 4.5925 (0.9); 4.5905 (1.0); 4.5847 (1.0); 4.5803 (0.7); 4.2249 (1.7); 4.2130 (1.6); 4.1959 (3.5); 4.1841 (3.4); 4.1669 (1.8); 4.1550 (1.6); 2.4701 (12.0); 2.4439 (1.1); 2.4302 (0.7); 2.4263 (0.7); 2.4222 (0.7); 2.4184 (0.7); 2.4077 (0.6); 2.4041 (0.6); 2.2937 (16.0); 1.6066 (0.7); 1.6007 (0.8); 1.5919 (0.9); 1.5844 (1.3); 1.5781 (1.3); 1.5694 (0.9); 1.5621 (1.1); 1.5557 (0.7); 1.5469 (0.8); 1.5396 (1.0); 1.5332 (0.7); 1.5244 (0.7); 1.5185 (0.6); 1.1587 (0.7); 1.1444 (1.5); 1.1378 (0.9); 1.1316 (1.5); 1.1235 (1.6); 1.1172 (0.8); 1.1107 (1.4); 1.0963 (0.6); −0.0002 (3.6)
I-700: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 8.2451 (11.8); 8.1682 (0.5); 8.0935 (1.0); 8.0828 (1.5); 8.0721 (0.9); 7.4200 (2.2); 7.4041 (4.7); 7.3882 (2.8); 7.3249 (3.6); 7.3089 (3.8); 7.2573 (6.8); 7.2513 (2.8); 7.2351 (2.2); 7.1177 (3.9); 7.0717 (2.4); 7.0684 (2.0); 7.0672 (1.9); 7.0567 (2.0); 7.0555 (2.1); 7.0522 (1.9); 7.0508 (1.8); 7.0253 (4.0); 6.9354 (2.2); 6.9195 (1.9); 5.2937 (0.4); 4.8964 (0.8); 4.8904 (0.8); 4.8843 (1.3); 4.8782 (1.3); 4.8721 (0.8); 4.8661 (0.7); 4.7650 (0.8); 4.7585 (0.8); 4.7531 (1.2); 4.7466 (1.2); 4.7409 (0.8); 4.7346 (0.7); 4.2246 (1.4); 4.2127 (1.4); 4.1972 (2.6); 4.1954 (2.6); 4.1853 (2.5); 4.1834 (2.5); 4.1667 (1.4); 4.1547 (1.3); 2.4685 (11.4); 2.3227 (0.8); 2.2785 (16.0); 2.1437 (0.5); 2.1315 (1.0); 2.1227 (0.8); 2.1196 (0.8); 2.1155 (1.2); 2.1115 (1.2); 2.1040 (0.7); 2.0990 (0.7); 2.0954 (1.0); 2.0833 (0.5); 1.5687 (0.5); 1.3435 (0.5); 1.3374 (0.6); 1.3281 (1.4); 1.3221 (1.4); 1.3124 (1.1); 1.3061 (1.3); 1.3048 (1.4); 1.2999 (0.6); 1.2928 (1.5); 1.2894 (1.0); 1.2842 (2.4); 1.2778 (3.0); 1.2721 (1.4); 1.2685 (2.0); 1.2666 (1.8);

TABLE 2-continued

1.2622 (1.6); 1.2573 (1.8); 1.2512 (0.6); 1.2459 (1.1); 1.2424 (0.5); 1.2403 (0.4); 1.2307 (0.4); 0.0062 (0.5); −0.0002 (7.5)

I-701: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 8.2623 (16.0); 8.2541 (0.3); 7.9194 (1.6); 7.9095 (1.5); 7.4290 (5.6); 7.4122 (6.7); 7.4039 (3.2); 7.4014 (5.3); 7.3998 (5.2); 7.3979 (5.4); 7.3240 (0.4); 7.3087 (0.5); 7.2987 (1.0); 7.2950 (1.4); 7.2917 (1.3); 7.2873 (1.4); 7.2859 (1.4); 7.2826 (2.2); 7.2791 (2.3); 7.2755 (2.4); 7.2699 (2.9); 7.2613 (18.1); 7.2460 (5.4); 7.2298 (2.8); 7.2226 (3.5); 7.2210 (3.4); 7.2032 (4.6); 7.1903 (2.5); 7.1864 (2.6); 7.1761 (1.4); 7.1714 (1.2); 6.0717 (1.3); 6.0653 (1.5); 6.0581 (1.4); 6.0517 (1.4); 5.9788 (1.3); 5.9724 (1.4); 5.9652 (1.4); 5.9588 (1.3); 4.2724 (0.6); 4.2685 (0.6); 4.2661 (0.7); 4.2620 (0.6); 4.2594 (0.7); 4.2554 (0.7); 4.2529 (0.7); 4.2489 (0.6); 4.2431 (0.7); 4.2392 (0.8); 4.2368 (0.8); 4.2326 (0.8); 4.2301 (0.8); 4.2260 (0.8); 4.2235 (0.9); 4.2200 (1.1); 4.2168 (0.8); 4.2141 (0.8); 4.2101 (0.7); 4.2074 (0.8); 4.2034 (0.8); 4.2009 (0.8); 4.1969 (0.7); 4.1911 (0.8); 4.1872 (0.9); 4.1847 (0.9); 4.1807 (0.9); 4.1780 (0.9); 4.1740 (1.0); 4.1715 (1.0); 4.1676 (0.9); 4.1595 (3.0); 4.1541 (3.5); 4.1522 (3.5); 4.1466 (2.8); 3.8861 (0.9); 3.8753 (1.0); 3.8728 (1.0); 3.8619 (1.0); 3.8568 (0.9); 3.8426 (1.5); 3.8319 (1.5); 3.8173 (0.9); 3.8123 (0.9); 3.8010 (0.9); 3.7881 (0.6); 3.2223 (4.1); 3.2142 (4.2); 3.2112 (4.5); 3.2030 (4.1); 2.8460 (3.6); 2.8410 (3.6); 2.8348 (3.4); 2.8299 (3.1); 2.0036 (7.3); 1.5730 (0.5); 0.0708 (0.5); 0.0063 (0.9); −0.0002 (16.8); −0.0068 (0.6)

I-702: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.3851 (2.8); 7.3587 (3.4); 7.2984 (13.8); 7.2378 (0.6); 7.2188 (1.0); 7.2006 (0.6); 7.0851 (0.6); 7.0698 (4.8); 7.0579 (7.2); 7.0551 (7.2); 7.0494 (6.4); 7.0283 (0.7); 6.9841 (2.5); 6.9581 (2.2); 6.8011 (0.7); 6.7958 (1.0); 6.7816 (1.4); 6.7741 (1.6); 6.7633 (1.4); 6.7530 (0.8); 6.7425 (0.6); 5.2470 (0.5); 5.2309 (1.7); 5.2148 (1.7); 5.1987 (0.5); 5.0947 (0.7); 5.0787 (2.1); 5.0627 (2.1); 5.0468 (0.6); 4.3681 (0.7); 4.3543 (0.7); 4.3458 (0.9); 4.3321 (0.9); 4.3232 (1.0); 4.3099 (1.0); 4.2970 (0.8); 4.2849 (0.8); 4.2681 (0.4); 4.2550 (1.1); 4.2465 (1.0); 4.2332 (2.2); 4.2197 (0.8); 4.2050 (3.3); 4.1844 (2.9); 4.1708 (1.2); 4.1563 (1.2); 4.1474 (0.8); 4.1360 (1.2); 4.1275 (0.6); 4.1214 (0.6); 3.9999 (1.2); 3.9713 (1.9); 3.9472 (1.5); 3.8567 (1.6); 3.8412 (1.5); 3.8282 (1.1); 3.8126 (1.0); 3.6642 (0.5); 3.6461 (1.7); 3.6349 (0.8); 3.6227 (1.7); 3.6176 (1.7); 3.6035 (1.8); 3.5941 (1.6); 3.5833 (1.1); 3.5732 (1.1); 3.5696 (1.0); 3.5575 (0.9); 3.5509 (0.8); 3.5343 (0.8); 3.4834 (0.7); 3.4652 (1.3); 3.4469 (0.7); 3.4396 (0.6); 3.4212 (0.9); 3.4028 (0.4); 2.6244 (12.2); 2.6034 (14.7); 2.5056 (11.7); 2.3225 (16.0); 2.2901 (0.4); 2.1537 (0.4); 2.1356 (0.9); 2.1243 (1.0); 2.1078 (1.8); 2.0905 (1.1); 2.0822 (1.3); 2.0621 (0.5); 1.6304 (10.3); 1.4748 (8.6); 1.4588 (8.5); 1.4306 (7.1); 1.4145 (7.0); 1.2964 (0.4); 1.0541 (0.9); 1.0384 (3.2); 1.0320 (3.2); 1.0096 (3.2); 1.0045 (3.0); 0.9911 (1.2); 0.8029 (1.4); 0.7868 (4.1); 0.7836 (4.1); 0.7712 (3.6); 0.7653 (4.1); 0.7492 (1.1); 0.1076 (0.9); 0.0480 (0.6); 0.0372 (15.4); 0.0264 (0.6)

I-703: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 7.4223 (2.3); 7.4056 (2.7); 7.3905 (2.9); 7.2599 (7.7); 7.1846 (1.6); 7.1812 (1.7); 7.1679 (1.4); 7.1645 (1.5); 7.0956 (0.6); 7.0793 (2.0); 7.0648 (3.5); 7.0523 (1.6); 7.0393 (0.5); 6.8187 (0.7); 6.8133 (0.7); 6.8051 (1.4); 6.8015 (1.3); 6.7897 (0.8); 6.7871 (0.8); 6.4753 (0.7); 6.4637 (1.2); 6.4522 (0.7); 6.0293 (0.6); 6.0230 (0.7); 6.0166 (0.7); 6.0102 (0.6); 5.9367 (0.6); 5.9304 (0.7); 5.9239 (0.7); 5.9176 (0.6); 4.1884 (0.3); 4.1820 (0.3); 4.1755 (0.3); 4.1655 (0.4); 4.1590 (0.4); 4.1526 (0.4); 4.1454 (0.6); 4.1383 (0.4); 4.1319 (0.4); 4.1252 (0.3); 4.1153 (0.4); 4.1088 (0.4); 4.1024 (0.4); 4.0959 (0.4); 3.9534 (0.4); 3.9409 (0.6); 3.9283 (0.4); 3.9244 (0.4); 3.9111 (0.6); 3.9077 (0.5); 3.8949 (0.7); 3.8820 (0.4); 3.8781 (0.4); 3.8652 (0.5); 2.4102 (16.0); 2.0857 (0.6); 2.0788 (0.7); 2.0688 (1.2); 2.0588 (0.8); 2.0521 (0.7); 2.0416 (0.4); 1.5509 (5.2); 1.0277 (0.7); 1.0180 (2.2); 1.0148 (2.5); 1.0013 (2.4); 0.9980 (2.5); 0.9888 (1.0); 0.7745 (0.8); 0.7626 (3.0); 0.7521 (3.1); 0.7422 (0.9); −0.0002 (9.3)

I-704: ^{1}H-NMR(499.9 MHz, CDCl3):
δ =7.4216 (2.6); 7.4048 (2.9); 7.3897 (3.1); 7.2600 (7.3); 7.1840 (1.8); 7.1806 (1.9); 7.1672 (1.5); 7.1639 (1.6); 7.0947 (0.8); 7.0784 (2.2); 7.0640 (3.6); 7.0515 (1.6); 7.0386 (0.5); 6.8178 (0.8); 6.8126 (0.9); 6.8043 (1.5); 6.8010 (1.4); 6.7864 (0.8); 6.4854 (0.8); 6.4739 (1.3); 6.4623 (0.7); 6.0282 (0.7); 6.0219 (0.7); 6.0154 (0.7); 6.0091 (0.6); 5.9356 (0.7); 5.9293 (0.7); 5.9229 (0.7); 5.9165 (0.6); 4.1927 (0.4); 4.1862 (0.4); 4.1800 (0.4); 4.1733 (0.4); 4.1634 (0.5); 4.1569 (0.5); 4.1505 (0.5); 4.1432 (0.7); 4.1362 (0.4); 4.1298 (0.4); 4.1231 (0.4); 4.1132 (0.4); 4.1066 (0.4); 4.1004 (0.4); 4.0938 (0.4); 3.9523 (0.4); 3.9397 (0.7); 3.9273 (0.5); 3.9234 (0.4); 3.9100 (0.6); 3.9068 (0.6); 3.8938 (0.8); 3.8810 (0.4); 3.8772 (0.4); 3.8640 (0.5); 2.4086 (16.0); 2.0955 (0.4); 2.0849 (0.7); 2.0779 (0.8); 2.0681 (1.3); 2.0581 (0.8); 2.0514 (0.7); 2.0408 (0.3); 1.5545 (4.5); 1.0273 (1.0); 1.0176 (2.5); 1.0145 (2.8); 1.0009 (2.5); 0.9976 (2.6); 0.9884 (0.9); 0.7740 (1.2); 0.7620 (3.3); 0.7516 (3.2); 0.7417 (0.8); −0.0002 (8.0)

I-705: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 8.0436 (16.0); 7.9953 (1.3); 7.9845 (2.0); 7.9737 (1.3); 7.6229 (1.2); 7.6073 (4.0); 7.5918 (8.6); 7.5750 (1.2); 7.5437 (6.8); 7.4813 (5.2); 7.4139 (2.1); 7.4100 (3.5); 7.4060 (2.2); 7.3955 (2.6); 7.3734 (1.8); 7.3700 (1.6); 7.3566 (6.6); 7.3533 (6.8); 7.3453 (10.0); 7.3286 (2.4); 7.2606 (13.7); 6.0505 (1.4); 6.0441 (1.6); 6.0364 (1.6); 6.0299 (1.4); 5.9573 (1.4); 5.9508 (1.6); 5.9431 (1.6); 5.9366 (1.4); 4.2788 (0.8); 4.2722 (0.8); 4.2654 (0.8); 4.2588 (0.8); 4.2495 (0.9); 4.2429 (1.0); 4.2361 (0.9); 4.2295 (1.0); 4.2249 (0.9); 4.2183 (0.8); 4.2114 (0.9); 4.2049 (0.8); 4.1955 (1.0); 4.1889 (0.9); 4.1822 (0.9); 4.1756 (0.8); 3.8351 (0.9); 3.8247 (1.0); 3.8209 (0.9); 3.8105 (1.0); 3.8058 (0.9); 3.7921 (1.6); 3.7817 (1.6); 3.7680 (0.9); 3.7633 (0.9); 3.7529 (0.8); 3.7491 (0.8); 3.7388 (0.7); 2.2373 (0.8); 2.2271 (1.7); 2.2213 (1.8); 2.2161 (1.3); 2.2113 (3.3); 2.2043 (1.3); 2.2009 (1.8); 2.1951 (1.8); 2.1848 (0.9); 1.5590 (3.4); 1.2846 (0.4); 1.2558 (0.7); 1.1770 (0.9); 1.1644 (3.5); 1.1590 (7.0); 1.1550 (6.8); 1.1495 (6.1); 1.1455 (7.2); 1.1421 (7.6); 1.1366 (3.5); 1.1300 (4.0); 1.1251 (5.4); 1.1201 (3.3); 1.1081 (0.9); 0.8456 (0.4); 0.8394 (0.4); 0.0060 (0.8); −0.0002 (16.2); −0.0067 (0.7)

I-706: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 8.0436 (16.0); 7.9848 (2.8); 7.6231 (1.4); 7.6076 (4.6); 7.5923 (10.4); 7.5779 (2.0); 7.5755 (2.0); 7.5438 (8.2); 7.4816 (6.5); 7.4379 (0.4); 7.4285 (0.5); 7.4136 (3.0); 7.4100 (4.2); 7.4061 (2.8); 7.3956 (3.4); 7.3734 (2.4); 7.3702 (2.0); 7.3567 (8.3); 7.3534 (7.6); 7.3455 (11.0); 7.3288 (3.0); 7.2607 (13.2); 6.0507 (1.6); 6.0442 (1.8); 6.0365 (1.8); 6.0301 (1.7); 5.9573 (1.6); 5.9509 (1.8); 5.9432 (1.9); 5.9369 (1.7); 4.2788 (0.9); 4.2723 (1.0); 4.2655 (1.0); 4.2589 (1.0); 4.2495 (1.1); 4.2430 (1.1); 4.2362 (1.1); 4.2295 (1.2); 4.2250 (1.1); 4.2184 (1.0); 4.2115 (1.1); 4.2050 (1.0); 4.1956 (1.1); 4.1890 (1.1); 4.1822 (1.1); 4.1757 (1.0); 3.8352 (0.9); 3.8247 (1.2); 3.8212 (1.1); 3.8106 (1.2); 3.8061 (1.0); 3.7924 (1.9); 3.7819 (2.0); 3.7680 (1.2); 3.7635 (1.1); 3.7529 (1.2); 3.7494 (1.0); 3.7390 (0.9); 2.2374 (0.9); 2.2272 (1.9); 2.2214 (2.1); 2.2114 (3.6); 2.2043 (2.0); 2.2010 (2.2); 2.1952 (2.1); 2.1850 (1.2); 1.5589 (2.7); 1.3340 (0.4); 1.2846 (0.6); 1.2563 (1.4); 1.2145 (0.4); 1.2023 (0.4); 1.1770 (1.1); 1.1637 (4.7); 1.1589 (8.7); 1.1550 (8.3); 1.1493 (8.5); 1.1455 (9.9); 1.1423 (9.6); 1.1369 (5.0); 1.1300 (6.0); 1.1253

TABLE 2-continued

(7.2); 1.1203 (4.6); 1.1082 (1.6); 0.8452 (0.6); 0.8402 (0.6); −0.0002 (15.6)
I-707: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ =9.1195 (0.7); 9.1051 (1.5); 9.0903 (0.7); 7.9529 (0.7); 7.7378 (0.6); 7.7181 (1.7); 7.6984 (1.6); 7.6781 (2.0); 7.6583 (0.8); 7.5940 (2.3); 7.5504 (1.3); 7.5305 (1.0); 7.1945 (2.5); 7.1472 (0.7); 7.1275 (2.0); 7.1086 (2.8); 7.0892 (1.0); 5.6863 (0.4); 5.6753 (0.6); 5.6695 (0.5); 5.6581 (0.4); 5.5673 (0.4); 5.5560 (0.6); 5.5496 (0.5); 5.5387 (0.5); 3.8449 (0.4); 3.8280 (0.6); 3.8156 (0.7); 3.8013 (0.8); 3.7899 (0.5); 3.7813 (0.6); 3.7657 (0.5); 3.7534 (0.5); 3.7388 (0.5); 3.7274 (0.4); 3.3249 (17.0); 2.8909 (4.7); 2.7320 (4.1); 2.5243 (0.6); 2.5066 (24.8); 2.5022 (32.1); 2.4978 (23.3); 2.2658 (14.2); 2.1844 (16.0); 1.2400 (0.7); 0.0078 (0.3); −0.0002 (8.4)
I-708: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.2443 (0.6); 9.2296 (1.4); 9.2148 (0.7); 7.9532 (0.9); 7.7419 (0.6); 7.7223 (1.7); 7.7026 (1.6); 7.6820 (1.8); 7.6624 (0.8); 7.6225 (2.1); 7.5709 (1.2); 7.5512 (0.9); 7.5269 (1.4); 7.5074 (1.8); 7.3961 (2.7); 7.3716 (1.0); 7.1086 (1.0); 6.9688 (2.5); 6.8293 (1.2); 6.0356 (0.4); 6.0283 (0.4); 6.0186 (0.4); 6.0108 (0.4); 5.9191 (0.4); 5.9108 (0.4); 5.9014 (0.4); 5.8929 (0.4); 3.8698 (0.3); 3.8612 (0.4); 3.8558 (0.4); 3.8106 (0.3); 3.8009 (0.4); 3.7931 (0.8); 3.7871 (0.5); 3.7773 (0.6); 3.7557 (0.5); 3.7394 (0.6); 3.7215 (0.4); 3.3250 (19.5); 2.8910 (7.3); 2.7327 (5.9); 2.7315 (6.2); 2.5249 (0.6); 2.5201 (1.0); 2.5115 (13.3); 2.5070 (27.7); 2.5024 (36.7); 2.4978 (26.0); 2.4932 (12.2); 2.4115 (10.0); 2.2472 (16.0); 1.2397 (0.6); 0.0080 (0.5); −0.0002 (14.5); −0.0086 (0.4)
I-709: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ =9.1812 (0.7); 9.1665 (1.4); 9.1516 (0.7); 7.9536 (0.9); 7.7451 (0.6); 7.7255 (1.6); 7.7058 (1.5); 7.6846 (1.8); 7.6647 (0.8); 7.5969 (2.2); 7.5576 (1.2); 7.5373 (0.9); 7.4331 (2.2); 7.4133 (2.5); 7.2915 (2.5); 7.1229 (1.4); 7.1032 (1.2); 6.0165 (0.4); 6.0034 (0.9); 5.9904 (0.4); 5.9002 (0.4); 5.8874 (0.9); 5.8739 (0.4); 3.9123 (0.8); 3.8982 (1.4); 3.8842 (0.8); 3.8548 (0.8); 3.8407 (1.4); 3.8268 (0.8); 3.3251 (16.5); 2.8915 (6.7); 2.7325 (5.6); 2.5252 (0.5); 2.5203 (0.8); 2.5117 (11.9); 2.5073 (24.2); 2.5028 (31.7); 2.4983 (22.8); 2.4939 (11.0); 2.2668 (16.0); 2.2595 (9.9); 1.2393 (0.7); −0.0002 (9.2); −0.0082 (0.3)
I-710: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ =9.2107 (0.7); 9.1959 (1.4); 9.1811 (0.7); 7.7435 (0.6); 7.7239 (1.7); 7.7042 (1.6); 7.6826 (1.9); 7.6629 (0.8); 7.6057 (2.3); 7.5641 (1.2); 7.5439 (1.0); 7.3968 (2.2); 7.3760 (2.7); 7.2792 (2.2); 7.2301 (1.4); 7.2250 (1.2); 7.2094 (1.1); 7.2042 (1.0); 5.9691 (0.4); 5.9602 (0.5); 5.9518 (0.5); 5.9428 (0.4); 5.8524 (0.4); 5.8433 (0.5); 5.8351 (0.6); 5.8263 (0.4); 3.8461 (0.4); 3.8368 (0.4); 3.8323 (0.4); 3.8228 (0.3); 3.7930 (0.4); 3.7781 (0.8); 3.7699 (0.5); 3.7646 (0.6); 3.7605 (0.6); 3.7571 (0.6); 3.7401 (0.6); 3.7241 (0.7); 3.7070 (0.4); 3.3249 (19.3); 2.8912 (0.4); 2.7316 (0.4); 2.5249 (0.6); 2.5200 (1.0); 2.5115 (13.9); 2.5070 (28.3); 2.5025 (37.0); 2.4979 (26.4); 2.4934 (12.5); 2.3494 (10.8); 2.2774 (16.0); 1.2393 (1.0); 0.0080 (0.4); −0.0002 (11.9); −0.0085 (0.4)
I-711: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.1772 (0.7); 9.1626 (1.4); 9.1478 (0.7); 7.9534 (1.1); 7.7452 (0.6); 7.7257 (1.7); 7.7061 (1.6); 7.6857 (1.9); 7.6660 (0.8); 7.6099 (2.2); 7.5609 (1.2); 7.5412 (0.9); 7.4165 (2.4); 7.3963 (2.6); 7.1789 (2.7); 7.0124 (1.4); 7.0084 (1.4); 6.9921 (1.3); 6.9880 (1.3); 5.9994 (0.4); 5.9865 (1.0); 5.9735 (0.4); 5.8836 (0.4); 5.8707 (0.9); 5.8573 (0.4); 3.9035 (0.8); 3.8896 (1.4); 3.8756 (0.8); 3.8460 (0.7); 3.8322 (1.3); 3.8180 (0.8); 3.3249 (21.3); 2.8914 (7.9); 2.7329 (6.7); 2.7319 (6.5); 2.5252 (0.6); 2.5204 (1.0); 2.5117 (13.8); 2.5072 (28.1); 2.5027 (37.0); 2.4981 (26.4); 2.4936 (12.5); 2.2547 (16.0); 1.9235 (0.6); 1.9150 (0.6); 1.9027 (1.2); 1.8902 (0.7); 1.8818 (0.6); 1.8691 (0.3); 1.2394 (0.8); 0.9859 (0.5); 0.9828 (0.5); 0.9749 (2.0); 0.9694 (2.2); 0.9620 (1.0); 0.9586 (0.9); 0.9540 (2.0); 0.9484 (2.1); 0.9412 (0.5); 0.9379 (0.6); 0.6791 (0.9); 0.6665 (2.2); 0.6624 (1.8); 0.6552 (2.0); 0.6503 (1.4); 0.6426 (0.8); 0.0080 (0.4); −0.0002 (11.2); −0.0085 (0.4)
I-712: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.2105 (0.7); 9.1958 (1.4); 9.1811 (0.7); 7.7450 (0.6); 7.7254 (1.7); 7.7057 (1.6); 7.6837 (1.8); 7.6641 (0.8); 7.6109 (2.2); 7.5651 (1.2); 7.5449 (0.9); 7.4227 (2.3); 7.3689 (0.7); 7.3644 (0.6); 7.3481 (1.9); 7.3435 (1.8); 7.3251 (3.6); 7.3043 (1.3); 5.9567 (0.4); 5.9482 (0.5); 5.9395 (0.5); 5.9308 (0.4); 5.8400 (0.4); 5.8312 (0.5); 5.8229 (0.6); 5.8139 (0.5); 3.8440 (0.4); 3.8349 (0.4); 3.8300 (0.4); 3.8209 (0.3); 3.7891 (0.4); 3.7725 (0.7); 3.7627 (0.5); 3.7545 (0.6); 3.7349 (0.6); 3.7190 (0.7); 3.7016 (0.4); 3.3262 (19.9); 2.8914 (2.0); 2.7329 (1.7); 2.7317 (1.7); 2.5252 (0.6); 2.5205 (0.8); 2.5118 (11.5); 2.5073 (23.5); 2.5027 (30.8); 2.4981 (22.0); 2.4936 (10.4); 2.3462 (10.8); 2.3297 (0.3); 2.2749 (16.0); 1.2392 (1.0); −0.0002 (7.0)
I-713: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ =9.1851 (0.7); 9.1706 (1.5); 9.1560 (0.7); 7.9524 (1.1); 7.2033 (2.4); 7.1689 (0.8); 7.1484 (2.6); 7.1450 (2.6); 7.1362 (3.7); 7.1164 (0.7); 7.0962 (0.9); 7.0919 (1.0); 7.0741 (1.3); 7.0578 (0.6); 7.0538 (0.6); 6.9384 (0.7); 6.9344 (0.7); 6.9186 (1.2); 6.9021 (0.7); 6.8985 (0.6); 5.6872 (0.4); 5.6762 (0.6); 5.6695 (0.5); 5.6585 (0.4); 5.5674 (0.4); 5.5568 (0.6); 5.5492 (0.5); 5.5385 (0.5); 3.8386 (0.4); 3.8208 (0.6); 3.8139 (0.4); 3.8066 (0.7); 3.7936 (0.9); 3.7791 (0.6); 3.7600 (0.5); 3.7428 (0.4); 3.7284 (0.5); 3.7174 (0.4); 3.3240 (16.5); 2.8904 (8.4); 2.7321 (7.0); 2.7309 (6.9); 2.5241 (0.5); 2.5194 (0.9); 2.5108 (12.2); 2.5063 (25.1); 2.5017 (33.0); 2.4971 (23.3); 2.4925 (10.9); 2.2580 (16.0); 2.2383 (0.3); 2.1983 (12.6); 2.1906 (8.4); 2.0930 (0.3); 2.0803 (0.5); 2.0720 (0.6); 2.0594 (1.1); 2.0465 (0.6); 2.0384 (0.6); 1.2397 (0.6); 1.0407 (0.8); 1.0298 (2.1); 1.0243 (2.2); 1.0197 (1.2); 1.0140 (1.2); 1.0086 (2.1); 1.0032 (2.2); 0.9930 (0.8); 0.7926 (0.9); 0.7822 (2.3); 0.7771 (2.4); 0.7696 (2.2); 0.7643 (2.4); 0.7531 (0.7); 0.0081 (0.3); −0.0002 (9.6)
I-714: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.2991 (0.8); 9.2843 (1.7); 9.2698 (0.8); 7.9524 (1.6); 7.5463 (1.6); 7.5361 (0.5); 7.5253 (2.2); 7.4082 (3.2); 7.1752 (0.7); 7.1555 (2.1); 7.1362 (2.1); 7.1252 (1.1); 7.1205 (1.4); 7.1078 (1.8); 7.0872 (0.6); 7.0831 (0.6); 6.9706 (2.6); 6.9438 (0.8); 6.9394 (0.9); 6.9246 (1.5); 6.9077 (0.8); 6.9041 (0.8); 6.8309 (1.2); 6.0424 (0.5); 6.0351 (0.5); 6.0250 (0.6); 6.0172 (0.5); 5.9244 (0.5); 5.9168 (0.5); 5.9078 (0.6); 5.8994 (0.5); 3.8562 (0.4); 3.8476 (0.5); 3.8432 (0.5); 3.8341 (0.4); 3.8007 (0.5); 3.7849 (0.9); 3.7732 (0.6); 3.7650 (0.8); 3.7471 (0.6); 3.7307 (0.8); 3.7137 (0.4); 3.3252 (19.6); 2.8905 (10.5); 2.7311 (9.5); 2.5065 (29.8); 2.5021 (40.6); 2.4977 (32.0); 2.4195 (11.9); 2.2508 (16.0); 2.0812 (0.6); 2.0727 (0.7); 2.0604 (1.2); 2.0476 (0.8); 2.0395 (0.7); 2.0261 (0.3); 1.2391 (0.9); 1.0385 (0.8); 1.0273 (2.2); 1.0220 (2.5); 1.0118 (1.3); 1.0063 (2.3); 1.0010 (2.5); 0.9908 (0.9); 0.7930 (0.9); 0.7777 (3.0); 0.7698 (2.6); 0.7649 (2.9); 0.7536 (0.8); 0.0079 (0.3); −0.0002 (9.5); −0.0082 (0.5)
I-715: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.1749 (0.6); 9.1605 (1.3); 9.1459 (0.6); 7.9529 (1.5); 7.4088 (2.0); 7.3889 (2.2); 7.2161 (2.2); 7.1670 (0.6); 7.1475 (1.6); 7.1274 (1.2); 7.0881 (0.8); 7.0840 (0.9); 7.0679 (1.1); 7.0660 (1.1); 7.0497

TABLE 2-continued

(0.6); 7.0455 (0.6); 7.0369 (1.2); 7.0170 (1.1); 6.9391 (0.7); 6.9351 (0.7); 6.9192 (1.2); 6.9026 (0.6); 6.8990 (0.5); 5.8089 (0.4); 5.7981 (0.5); 5.7925 (0.4); 5.7817 (0.4); 5.6900 (0.4); 5.6791 (0.5); 5.6734 (0.4); 5.6625 (0.4); 3.9194 (0.4); 3.9033 (0.7); 3.8970 (0.5); 3.8873 (0.9); 3.8618 (16.0); 3.8350 (0.6); 3.8202 (0.5); 3.8091 (0.3); 3.3250 (21.8); 2.8911 (11.3); 2.7325 (9.7); 2.7313 (9.3); 2.5246 (0.6); 2.5199 (0.9); 2.5113 (12.0); 2.5068 (24.2); 2.5022 (31.6); 2.4976 (22.2); 2.4931 (10.4); 2.2499 (14.3); 2.0785 (0.5); 2.0703 (0.5); 2.0577 (1.0); 2.0448 (0.6); 2.0368 (0.5); 1.2398 (0.6); 1.0387 (0.7); 1.0277 (1.9); 1.0222 (2.0); 1.0177 (1.0); 1.0119 (1.0); 1.0066 (1.9); 1.0011 (1.9); 0.9909 (0.8); 0.7927 (0.8); 0.7823 (2.1); 0.7773 (2.1); 0.7697 (2.0); 0.7645 (2.1); 0.7533 (0.7); −0.0002 (9.6)

I-716: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.1394 (0.7); 9.1249 (1.4); 9.1102 (0.7); 7.9528 (1.4); 7.7084 (2.4); 7.7042 (2.5); 7.6088 (2.1); 7.5881 (2.7); 7.4456 (1.4); 7.4409 (1.4); 7.4246 (1.1); 7.4200 (1.1); 7.1677 (0.7); 7.1480 (1.8); 7.1280 (1.3); 7.0756 (0.9); 7.0716 (1.0); 7.0535 (1.3); 7.0371 (0.6); 7.0333 (0.6); 6.9384 (0.8); 6.9346 (0.8); 6.9186 (1.3); 6.9020 (0.7); 6.8985 (0.6); 5.8764 (0.4); 5.8641 (0.7); 5.8511 (0.4); 5.7596 (0.4); 5.7479 (0.7); 5.7345 (0.5); 3.9642 (0.4); 3.9487 (0.6); 3.9330 (0.4); 3.9273 (0.4); 3.9060 (0.4); 3.8904 (0.8); 3.8860 (0.6); 3.8744 (0.5); 3.8416 (0.4); 3.8356 (0.3); 3.8279 (0.5); 3.8167 (0.4); 3.3248 (21.7); 2.8910 (10.5); 2.7317 (8.9); 2.5248 (0.6); 2.5198 (0.9); 2.5112 (13.8); 2.5068 (28.4); 2.5023 (37.5); 2.4977 (26.9); 2.4932 (12.8); 2.2252 (16.0); 2.0793 (0.5); 2.0711 (0.6); 2.0584 (1.2); 2.0454 (0.7); 2.0374 (0.6); 1.2394 (0.9); 1.0395 (0.7); 1.0285 (2.1); 1.0231 (2.2); 1.0187 (1.2); 1.0128 (1.2); 1.0074 (2.1); 1.0020 (2.2); 0.9919 (0.8); 0.7929 (0.9); 0.7825 (2.4); 0.7775 (2.5); 0.7699 (2.3); 0.7647 (2.5); 0.7535 (0.7); −0.0002 (9.9); −0.0086 (0.3)

I-717: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.2425 (0.5); 9.2280 (1.0); 9.2130 (0.5); 7.9528 (1.0); 7.4496 (1.6); 7.4298 (1.8); 7.3059 (1.8); 7.1770 (0.4); 7.1574 (1.3); 7.1483 (1.1); 7.1376 (1.1); 7.1296 (0.9); 7.1092 (0.6); 7.1049 (0.7); 7.0872 (0.9); 7.0709 (0.4); 7.0669 (0.4); 6.9437 (0.5); 6.9397 (0.5); 6.9241 (0.9); 6.9074 (0.5); 6.9035 (0.4); 6.0128 (0.5); 5.8975 (0.4); 3.9054 (0.4); 3.8992 (0.4); 3.8895 (0.8); 3.8741 (0.5); 3.8501 (0.3); 3.8351 (0.7); 3.8236 (0.5); 3.8127 (0.3); 3.3254 (19.1); 2.8908 (7.0); 2.7315 (6.0); 2.5247 (0.4); 2.5112 (8.8); 2.5068 (18.1); 2.5023 (24.0); 2.4977 (17.3); 2.4932 (8.4); 2.2629 (16.0); 2.0851 (0.4); 2.0766 (0.4); 2.0640 (0.7); 2.0513 (0.4); 2.0431 (0.4); 1.2394 (0.5); 1.0438 (0.5); 1.0328 (1.4); 1.0273 (1.5); 1.0229 (0.8); 1.0170 (0.8); 1.0117 (1.4); 1.0063 (1.5); 0.9961 (0.6); 0.7968 (0.6); 0.7865 (1.6); 0.7815 (1.6); 0.7738 (1.5); 0.7687 (1.7); 0.7575 (0.5); −0.0002 (6.4)

I-718: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.2661 (0.7); 9.2513 (1.5); 9.2366 (0.7); 7.9529 (1.5); 7.4144 (2.2); 7.3936 (2.8); 7.2927 (2.2); 7.2567 (1.5); 7.2515 (1.2); 7.2359 (1.2); 7.2307 (1.0); 7.1768 (0.6); 7.1574 (1.8); 7.1375 (1.6); 7.1182 (1.0); 7.1137 (1.1); 7.0962 (1.3); 7.0800 (0.6); 7.0760 (0.5); 6.9447 (0.7); 6.9404 (0.7); 6.9251 (1.2); 6.9084 (0.7); 6.9046 (0.6); 5.9768 (0.4); 5.9681 (0.5); 5.9592 (0.6); 5.9503 (0.4); 5.8599 (0.4); 5.8507 (0.5); 5.8425 (0.6); 5.8333 (0.5); 3.8321 (0.4); 3.8229 (0.4); 3.8186 (0.4); 3.8092 (0.3); 3.7873 (0.5); 3.7707 (0.6); 3.7644 (0.5); 3.7540 (0.8); 3.7401 (0.5); 3.7351 (0.6); 3.7182 (0.7); 3.7015 (0.4); 3.3255 (31.2); 2.8910 (11.1); 2.7324 (9.3); 2.7314 (9.1); 2.5246 (0.6); 2.5198 (1.1); 2.5113 (14.9); 2.5068 (30.1); 2.5022 (39.3); 2.4976 (27.8); 2.4931 (13.1); 2.3592 (11.0); 2.2739 (16.0); 2.0830 (0.5); 2.0746 (0.6); 2.0618 (1.1); 2.0490 (0.6); 2.0409 (0.6); 1.2395 (0.8); 1.0399 (0.8); 1.0289 (2.1); 1.0235 (2.2); 1.0189 (1.2); 1.0132 (1.2); 1.0078 (2.1); 1.0024 (2.2); 0.9922 (0.9); 0.7946 (0.9); 0.7843 (2.4); 0.7792 (2.4); 0.7716 (2.3); 0.7664 (2.4); 0.7552 (0.8); 0.0080 (0.4); −0.0002 (11.2); −0.0086 (0.4)

I-719: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.2369 (0.8); 9.2225 (1.5); 9.2075 (0.8); 7.9528 (1.6); 7.4300 (2.5); 7.4098 (2.8); 7.1943 (3.0); 7.1790 (0.7); 7.1595 (1.9); 7.1396 (1.6); 7.1167 (0.9); 7.1123 (1.2); 7.0947 (1.3); 7.0784 (0.6); 7.0745 (0.6); 7.0180 (1.5); 7.0140 (1.5); 6.9977 (1.4); 6.9937 (1.4); 6.9454 (0.7); 6.9413 (0.8); 6.9258 (1.3); 6.9090 (0.7); 6.9055 (0.6); 6.0089 (0.5); 5.9975 (0.7); 5.9829 (0.5); 5.8927 (0.4); 5.8823 (0.7); 5.8779 (0.6); 5.8667 (0.5); 3.9017 (0.4); 3.8864 (1.0); 3.8772 (0.8); 3.8712 (0.7); 3.8666 (0.6); 3.8462 (0.5); 3.8300 (1.0); 3.8153 (1.0); 3.8043 (0.4); 3.3264 (39.4); 2.8910 (11.5); 2.7325 (9.5); 2.7315 (9.7); 2.5248 (0.7); 2.5202 (1.0); 2.5114 (13.8); 2.5070 (29.1); 2.5024 (38.9); 2.4978 (28.5); 2.4934 (14.0); 2.2536 (16.0); 2.0855 (0.6); 2.0769 (0.6); 2.0643 (1.1); 2.0515 (0.7); 2.0433 (0.6); 1.9284 (0.6); 1.9200 (0.7); 1.9075 (1.3); 1.8951 (0.8); 1.8868 (0.7); 1.8740 (0.3); 1.2393 (0.8); 1.0435 (0.8); 1.0324 (2.1); 1.0270 (2.3); 1.0226 (1.3); 1.0167 (1.2); 1.0114 (2.2); 1.0059 (2.3); 0.9958 (0.9); 0.9848 (0.5); 0.9721 (2.3); 0.9662 (2.7); 0.9512 (2.4); 0.9453 (2.5); 0.9330 (0.4); 0.7966 (0.9); 0.7862 (2.4); 0.7812 (2.6); 0.7735 (2.4); 0.7684 (2.6); 0.7572 (0.8); 0.6730 (1.4); 0.6668 (1.1); 0.6617 (2.0); 0.6567 (2.0); 0.6441 (1.4); −0.0002 (10.0); −0.0084 (0.4)

I-720: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.2636 (0.7); 9.2489 (1.4); 9.2341 (0.7); 7.9529 (1.5); 7.4324 (2.3); 7.3918 (0.8); 7.3873 (0.6); 7.3710 (1.8); 7.3663 (1.7); 7.3422 (3.5); 7.3214 (1.5); 7.1781 (0.6); 7.1583 (1.8); 7.1384 (1.6); 7.1187 (0.9); 7.1141 (1.1); 7.0967 (1.2); 7.0805 (0.6); 7.0764 (0.5); 6.9451 (0.7); 6.9406 (0.7); 6.9257 (1.2); 6.9088 (0.7); 6.9049 (0.6); 5.9645 (0.4); 5.9557 (0.5); 5.9468 (0.5); 5.9380 (0.4); 5.8475 (0.4); 5.8384 (0.5); 5.8302 (0.6); 5.8210 (0.4); 3.8294 (0.3); 3.8203 (0.4); 3.8159 (0.4); 3.8065 (0.3); 3.7845 (0.4); 3.7677 (0.6); 3.7621 (0.5); 3.7514 (0.7); 3.7380 (0.4); 3.7315 (0.6); 3.7149 (0.7); 3.6981 (0.4); 3.3251 (21.8); 2.8909 (11.2); 2.7326 (9.4); 2.7314 (9.4); 2.5248 (0.6); 2.5201 (0.8); 2.5113 (12.4); 2.5068 (25.6); 2.5022 (33.9); 2.4976 (24.2); 2.4931 (11.5); 2.3545 (10.8); 2.2721 (16.0); 2.0841 (0.5); 2.0761 (0.6); 2.0633 (1.1); 2.0504 (0.6); 2.0423 (0.6); 1.2394 (0.8); 1.0405 (0.7); 1.0295 (2.0); 1.0240 (2.2); 1.0195 (1.1); 1.0137 (1.1); 1.0084 (2.1); 1.0029 (2.2); 0.9928 (0.9); 0.7958 (0.9); 0.7854 (2.3); 0.7803 (2.4); 0.7727 (2.2); 0.7676 (2.4); 0.7564 (0.8); −0.0002 (10.0); −0.0085 (0.3)

I-721: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 8.2486 (13.7); 7.9807 (1.1); 7.9703 (1.8); 7.9599 (1.2); 7.5458 (6.1); 7.3683 (0.3); 7.3524 (16.0); 7.3335 (0.5); 7.2600 (16.2); 7.1530 (1.1); 7.1365 (3.8); 7.1272 (2.7); 7.1223 (8.0); 7.1143 (2.6); 7.1106 (3.1); 7.0982 (1.0); 7.0943 (0.8); 6.8853 (1.4); 6.8794 (1.4); 6.8720 (2.6); 6.8674 (2.4); 6.8567 (1.5); 6.8532 (1.4); 6.0575 (1.3); 6.0510 (1.5); 6.0445 (1.5); 6.0379 (1.4); 5.9649 (1.3); 5.9584 (1.5); 5.9518 (1.5); 5.9452 (1.4); 5.2982 (2.2); 4.2621 (0.6); 4.2555 (0.7); 4.2491 (0.7); 4.2425 (0.7); 4.2327 (0.8); 4.2261 (0.8); 4.2198 (0.8); 4.2124 (1.2); 4.2051 (0.7); 4.1987 (0.8); 4.1920 (0.7); 4.1823 (0.8); 4.1757 (0.8); 4.1693 (0.8); 4.1627 (0.8); 3.8934 (0.7); 3.8809 (1.0); 3.8695 (0.8); 3.8641 (0.7); 3.8510 (1.0); 3.8478 (1.0); 3.8398 (0.8); 3.8365 (1.1); 3.8237 (0.8); 3.8183 (0.7); 3.8057 (0.8); 3.7944 (0.6); 2.1396 (0.5); 2.1292 (1.2); 2.1225 (1.3); 2.1123 (2.4); 2.1020 (1.4); 2.0954 (1.3); 2.0850 (0.7); 1.5493 (7.4); 1.2554 (0.7); 1.0671 (1.5); 1.0578 (4.4); 1.0541 (4.8); 1.0451 (2.5); 1.0409 (4.7); 1.0371 (4.7);

TABLE 2-continued

1.0282 (2.0); 0.8080 (1.9); 0.7986 (5.3); 0.7956 (5.3); 0.7886 (4.9); 0.7854 (5.8); 0.7758 (1.8); 0.0062 (0.7); −0.0002 (18.5)

I-722: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 8.2482 (13.2); 7.9705 (1.8); 7.9601 (1.1); 7.5472 (5.7); 7.5456 (6.0); 7.3681 (0.3); 7.3524 (16.0); 7.2600 (15.1); 7.1527 (1.1); 7.1362 (3.8); 7.1269 (3.1); 7.1220 (7.8); 7.1141 (2.6); 7.1103 (2.9); 7.0979 (1.0); 7.0940 (0.7); 6.8850 (1.4); 6.8791 (1.5); 6.8717 (2.7); 6.8673 (2.2); 6.8565 (1.5); 6.8529 (1.3); 6.0574 (1.3); 6.0508 (1.5); 6.0443 (1.5); 6.0377 (1.3); 5.9647 (1.3); 5.9582 (1.5); 5.9516 (1.5); 5.9451 (1.3); 4.2617 (0.6); 4.2551 (0.7); 4.2487 (0.7); 4.2421 (0.7); 4.2324 (0.8); 4.2257 (0.8); 4.2193 (0.8); 4.2120 (1.2); 4.2047 (0.7); 4.1983 (0.7); 4.1917 (0.7); 4.1819 (0.8); 4.1753 (0.8); 4.1689 (0.8); 4.1623 (0.7); 3.8933 (0.7); 3.8825 (1.0); 3.8805 (1.0); 3.8695 (0.8); 3.8640 (0.7); 3.8529 (0.9); 3.8510 (1.0); 3.8477 (1.0); 3.8400 (0.9); 3.8368 (1.1); 3.8236 (0.8); 3.8182 (0.7); 3.8073 (0.8); 3.8053 (0.8); 3.7944 (0.6); 2.1393 (0.5); 2.1289 (1.2); 2.1223 (1.3); 2.1120 (2.3); 2.1017 (1.4); 2.0951 (1.2); 2.0847 (0.6); 1.5510 (5.4); 1.4319 (0.4); 1.2558 (0.6); 1.0669 (1.6); 1.0576 (4.6); 1.0539 (4.6); 1.0503 (2.5); 1.0449 (2.6); 1.0406 (4.7); 1.0369 (4.4); 1.0280 (1.8); 0.8078 (2.0); 0.7986 (5.4); 0.7953 (5.1); 0.7885 (5.0); 0.7852 (5.4); 0.7756 (1.6); −0.0002 (18.0); −0.0067 (0.8)

I-723: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 7.4038 (1.9); 7.3868 (3.6); 7.3809 (1.8); 7.3123 (1.2); 7.2959 (2.4); 7.2794 (1.4); 7.2607 (3.8); 7.1846 (1.3); 7.1805 (1.3); 7.1678 (1.2); 7.1638 (1.2); 6.8158 (0.5); 6.8053 (1.8); 6.8017 (1.8); 6.7890 (1.3); 6.7848 (1.2); 6.7529 (1.0); 6.7495 (1.2); 6.7367 (0.9); 6.7334 (1.2); 6.7096 (1.5); 6.7051 (2.4); 6.7006 (1.2); 5.9849 (0.4); 5.9788 (0.5); 5.9714 (0.5); 5.9653 (0.4); 5.8920 (0.4); 5.8858 (0.5); 5.8785 (0.5); 5.8723 (0.4); 5.2970 (0.7); 3.8596 (0.4); 3.8290 (0.4); 3.8149 (0.5); 3.8014 (0.3); 3.7814 (16.0); 2.3418 (13.6); 1.9977 (4.2); 1.2555 (0.4); 1.2093 (0.5); 1.1970 (0.5); −0.0002 (4.2)

I-724: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 7.4045 (2.0); 7.3873 (3.9); 7.3127 (1.3); 7.2962 (2.5); 7.2798 (1.4); 7.2608 (4.1); 7.1850 (1.5); 7.1811 (1.4); 7.1683 (1.2); 7.1643 (1.2); 6.8055 (1.8); 6.8011 (2.3); 6.7890 (1.6); 6.7855 (1.4); 6.7534 (1.2); 6.7500 (1.3); 6.7372 (1.1); 6.7340 (1.2); 6.7104 (1.8); 6.7059 (2.6); 6.7014 (1.2); 5.9859 (0.5); 5.9798 (0.6); 5.9725 (0.6); 5.9663 (0.5); 5.8930 (0.5); 5.8868 (0.6); 5.8795 (0.6); 5.8734 (0.5); 4.0918 (0.3); 4.0855 (0.4); 4.0790 (0.4); 4.0726 (0.4); 4.0693 (0.3); 4.0396 (0.3); 4.0332 (0.3); 4.0268 (0.3); 3.8607 (0.5); 3.8479 (0.4); 3.8443 (0.3); 3.8306 (0.5); 3.8161 (0.6); 3.8024 (0.5); 3.7987 (0.6); 3.7817 (16.0); 2.5976 (0.4); 2.3433 (13.6); 1.9980 (6.4); 1.2555 (0.4); −0.0002 (4.6)

I-725: ^{1}H-NMR(499.9 MHz, CDCl3):
δ =7.5515 (3.2); 7.3779 (0.6); 7.3749 (0.5); 7.3611 (3.2); 7.3580 (3.6); 7.3535 (5.1); 7.3355 (1.5); 7.3186 (2.6); 7.3026 (1.8); 7.2611 (7.2); 7.2152 (1.5); 7.2134 (1.8); 7.2118 (1.9); 7.1979 (4.1); 7.1955 (3.9); 7.0810 (1.5); 7.0781 (1.4); 7.0766 (1.4); 7.0661 (1.1); 7.0638 (1.3); 7.0624 (1.4); 7.0602 (1.2); 6.5094 (0.6); 6.4975 (1.1); 6.4857 (0.7); 5.9981 (0.6); 5.9919 (0.7); 5.9841 (0.7); 5.9779 (0.7); 5.9048 (0.6); 5.8986 (0.7); 5.8907 (0.7); 5.8846 (0.7); 4.1868 (0.3); 4.1806 (0.4); 4.1735 (0.4); 4.1673 (0.4); 4.1574 (0.4); 4.1511 (0.4); 4.1441 (0.4); 4.1378 (0.4); 4.1329 (0.4); 4.1265 (0.4); 4.1195 (0.4); 4.1132 (0.4); 4.1033 (0.4); 4.0971 (0.4); 4.0901 (0.4); 4.0838 (0.4); 3.8628 (0.4); 3.8492 (0.5); 3.8372 (0.4); 3.8336 (0.4); 3.8193 (0.8); 3.8076 (0.8); 3.7934 (0.4); 3.7897 (0.4); 3.7760 (0.4); 3.7640 (0.3); 2.6249 (0.5); 2.5910 (15.2); 2.2777 (16.0); 2.2573 (0.4); 2.1648 (0.3); 2.0013 (5.8); 1.5814 (1.0); −0.0002 (7.8); −0.0065 (0.5)

I-726: ^{1}H-NMR(499.9 MHz, CDCl3):
δ =7.5519 (3.6); 7.3783 (0.7); 7.3751 (0.6); 7.3615 (3.6); 7.3583 (4.3); 7.3539 (5.8); 7.3362 (1.8); 7.3193 (2.8); 7.3033 (1.9); 7.2611 (9.8); 7.2174 (1.2); 7.2158 (1.6); 7.2138 (2.1); 7.2121 (2.1); 7.1987 (4.9); 7.1961 (4.8); 7.1920 (2.2); 7.0834 (1.4); 7.0818 (1.6); 7.0790 (1.6); 7.0774 (1.6); 7.0671 (1.3); 7.0645 (1.6); 7.0634 (1.5); 7.0608 (1.4); 6.5007 (0.7); 6.4893 (1.2); 6.4778 (0.7); 5.9986 (0.7); 5.9924 (0.8); 5.9845 (0.8); 5.9784 (0.8); 5.9052 (0.7); 5.8991 (0.8); 5.8912 (0.8); 5.8850 (0.8); 4.1878 (0.3); 4.1815 (0.4); 4.1745 (0.4); 4.1683 (0.4); 4.1584 (0.4); 4.1521 (0.5); 4.1451 (0.5); 4.1389 (0.5); 4.1338 (0.4); 4.1275 (0.4); 4.1205 (0.4); 4.1142 (0.4); 4.1043 (0.5); 4.0981 (0.5); 4.0911 (0.5); 4.0848 (0.4); 3.8634 (0.4); 3.8518 (0.5); 3.8496 (0.5); 3.8379 (0.5); 3.8342 (0.4); 3.8198 (0.8); 3.8083 (0.8); 3.7940 (0.5); 3.7903 (0.5); 3.7786 (0.4); 3.7763 (0.5); 3.7647 (0.3); 2.5924 (15.7); 2.2786 (16.0); 2.0015 (10.8); 1.5789 (1.7); 1.2549 (0.3); 0.0063 (0.3); −0.0002 (10.9); −0.0066 (0.8)

I-727: ^{1}H-NMR(499.9 MHz, d_6-DMSO):
δ = 9.1926 (1.9); 7.9731 (5.0); 7.9678 (12.0); 7.9559 (4.9); 7.8883 (4.0); 7.8841 (4.2); 7.7998 (5.6); 7.7890 (6.1); 7.5152 (4.3); 7.5043 (4.0); 7.3316 (3.6); 7.3156 (4.0); 7.2724 (3.2); 7.2681 (3.2); 7.2552 (3.0); 7.2508 (3.2); 7.0737 (4.2); 6.9397 (2.2); 6.9238 (2.1); 4.1243 (1.0); 4.1168 (1.0); 4.0955 (2.0); 4.0872 (1.9); 4.0658 (1.0); 4.0578 (1.0); 3.3269 (60.9); 2.5113 (2.0); 2.5078 (4.1); 2.5043 (5.6); 2.5007 (4.2); 2.4975 (2.1); 2.4209 (11.3); 2.2010 (16.0); 2.0762 (1.6)

I-728: ^{1}H-NMR(499.9 MHz, d_6-DMSO):
δ = 9.1751 (1.2); 9.1627 (2.6); 9.1502 (1.3); 8.1851 (3.8); 8.1800 (4.0); 7.9723 (13.8); 7.5178 (3.6); 7.5152 (3.3); 7.5129 (3.7); 7.3284 (3.7); 7.3125 (4.1); 7.0847 (4.1); 6.9678 (2.2); 6.9520 (2.0); 4.1196 (1.2); 4.1071 (1.2); 4.0900 (2.8); 4.0774 (2.7); 4.0601 (1.4); 4.0476 (1.3); 3.3198 (6.9); 2.9673 (2.6); 2.9524 (5.1); 2.9442 (4.0); 2.9377 (3.5); 2.9290 (6.0); 2.9136 (3.4); 2.5118 (1.7); 2.5083 (3.5); 2.5046 (4.9); 2.5010 (3.6); 2.4975 (1.8); 2.4215 (11.2); 2.2348 (16.0); 2.1708 (1.1); 2.1642 (0.5); 2.1555 (3.3); 2.1404 (4.5); 2.1320 (0.8); 2.1254 (3.2); 2.1102 (0.9)

I-729: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 8.2648 (16.0); 7.8331 (2.4); 7.5532 (7.7); 7.3933 (2.4); 7.3901 (2.3); 7.3766 (6.7); 7.3733 (6.7); 7.3594 (9.7); 7.3427 (3.2); 7.2607 (11.6); 7.2447 (0.5); 7.2275 (4.8); 7.2154 (6.3); 7.2020 (6.0); 7.1944 (2.2); 7.1820 (0.6); 7.1774 (0.4); 7.1533 (1.6); 7.1502 (1.8); 7.1416 (3.2); 7.1377 (3.0); 7.1319 (2.0); 7.1237 (1.5); 7.1182 (0.9); 6.0517 (1.7); 6.0454 (1.8); 6.0381 (1.8); 6.0318 (1.6); 5.9588 (1.7); 5.9524 (1.8); 5.9451 (1.8); 5.9388 (1.6); 4.2702 (0.9); 4.2637 (0.9); 4.2570 (1.0); 4.2505 (0.9); 4.2408 (1.1); 4.2344 (1.1); 4.2276 (1.1); 4.2210 (1.2); 4.2182 (1.2); 4.2114 (1.0); 4.2046 (1.0); 4.1982 (0.9); 4.1885 (1.1); 4.1820 (1.1); 4.1753 (1.1); 4.1688 (0.9); 3.8814 (1.0); 3.8707 (1.2); 3.8681 (1.2); 3.8571 (1.1); 3.8521 (1.0); 3.8378 (1.8); 3.8270 (1.8); 3.8129 (1.1); 3.8080 (1.0); 3.7971 (1.0); 3.7945 (1.0); 3.7836 (0.8); 2.9543 (1.6); 2.8802 (1.5); 1.5576 (3.2); 1.4319 (0.4); 1.2561 (0.4); −0.0002 (13.2)

I-730: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 8.2653 (16.0); 7.8328 (2.1); 7.5533 (7.1); 7.3935 (2.2); 7.3901 (1.9); 7.3768 (6.3); 7.3734 (5.9); 7.3596 (9.1); 7.3429 (3.0); 7.2606 (12.7); 7.2451 (0.4); 7.2278 (4.3); 7.2159 (5.5); 7.2024 (5.6); 7.1946 (2.0); 7.1822 (0.5); 7.1536 (1.4); 7.1503 (1.5); 7.1418 (2.9); 7.1378 (2.6); 7.1320 (1.7); 7.1256 (1.3); 7.1237 (1.4); 7.1181 (0.8); 6.0520 (1.5); 6.0456 (1.6); 6.0383 (1.6); 6.0320 (1.4); 5.9590 (1.5);

TABLE 2-continued

5.9526 (1.6); 5.9453 (1.6); 5.9390 (1.4); 4.2706 (0.8); 4.2641 (0.8); 4.2574 (0.8); 4.2509 (0.8); 4.2413 (1.0); 4.2348 (1.0); 4.2280 (1.0); 4.2214 (1.1); 4.2184 (1.0); 4.2118 (0.9); 4.2050 (0.9); 4.1986 (0.8); 4.1889 (1.0); 4.1824 (1.0); 4.1757 (1.0); 4.1692 (0.9); 3.8815 (0.9); 3.8708 (1.1); 3.8679 (1.0); 3.8571 (1.0); 3.8522 (0.9); 3.8412 (1.1); 3.8378 (1.6); 3.8270 (1.7); 3.8240 (1.1); 3.8129 (1.0); 3.8079 (0.9); 3.7972 (1.0); 3.7943 (0.9); 3.7836 (0.7); 2.9545 (0.7); 2.8806 (0.7); 2.0041 (0.5); 1.5554 (2.1); 1.2558 (0.3); −0.0002 (14.6); −0.0066 (0.7)

I-731: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 8.2345 (11.7); 8.1802 (0.7); 7.9836 (0.9); 7.9733 (1.4); 7.3692 (0.3); 7.3532 (0.4); 7.3378 (3.5); 7.3219 (3.8); 7.2587 (10.3); 7.2155 (0.7); 7.2078 (1.1); 7.2039 (1.4); 7.1969 (1.8); 7.1886 (1.8); 7.1838 (1.8); 7.1799 (2.0); 7.1641 (6.3); 7.1604 (3.0); 7.1524 (4.3); 7.1495 (3.1); 7.1435 (1.8); 7.1326 (0.6); 7.1278 (0.4); 7.0470 (0.4); 7.0247 (4.0); 6.9367 (2.1); 6.9208 (1.9); 4.2397 (1.7); 4.2277 (1.7); 4.2112 (3.8); 4.1992 (3.6); 4.1826 (1.9); 4.1707 (1.8); 4.1279 (0.4); 4.1135 (0.4); 2.7559 (1.4); 2.7409 (4.2); 2.7257 (4.3); 2.7105 (1.5); 2.4961 (0.4); 2.4738 (11.8); 2.3448 (0.6); 2.3239 (1.1); 2.2706 (16.0); 2.0433 (1.6); 1.5585 (9.2); 1.4351 (0.9); 1.2909 (7.6); 1.2758 (15.3); 1.2605 (7.5); 1.2440 (0.7); 0.0061 (0.8); −0.0002 (11.4); −0.0067 (0.4)

I-732: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 8.2188 (0.8); 8.2083 (1.3); 8.1979 (0.8); 8.1716 (12.0); 8.1032 (0.3); 7.6105 (2.6); 7.5954 (2.8); 7.3737 (4.9); 7.3657 (7.1); 7.2836 (1.2); 7.2760 (1.7); 7.2680 (1.6); 7.2579 (8.4); 7.2514 (1.0); 7.1632 (3.2); 7.1473 (3.7); 7.0131 (3.7); 6.9504 (2.0); 6.9346 (1.8); 6.9107 (1.8); 6.9042 (2.0); 6.8974 (2.0); 6.8909 (1.9); 5.2955 (10.2); 4.0696 (0.8); 4.0576 (1.4); 4.0451 (1.0); 4.0371 (1.3); 4.0305 (1.7); 4.0253 (1.8); 4.0187 (1.3); 4.0101 (1.1); 3.9981 (1.5); 3.9864 (0.8); 3.2461 (0.6); 3.2308 (0.9); 3.2146 (1.2); 3.1984 (1.2); 3.1841 (0.9); 3.0448 (0.8); 3.0362 (0.9); 3.0276 (1.1); 3.0190 (1.0); 3.0126 (0.7); 3.0039 (0.7); 2.9952 (0.8); 2.9866 (0.8); 2.8180 (0.6); 2.8048 (1.2); 2.8008 (0.7); 2.7912 (0.8); 2.7878 (1.4); 2.7759 (1.6); 2.7722 (0.9); 2.7627 (0.8); 2.7587 (1.2); 2.7455 (0.5); 2.3893 (10.7); 2.3530 (0.7); 2.3460 (0.9); 2.3446 (1.0); 2.3370 (1.2); 2.3299 (1.3); 2.3242 (1.0); 2.3213 (1.0); 2.3080 (16.0); 2.2926 (0.7); 1.5674 (6.6); −0.0002 (9.4); −0.0067 (0.5)

I-733: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 8.2515 (16.0); 8.0873 (1.3); 8.0769 (1.9); 7.4022 (5.8); 7.3951 (4.7); 7.3916 (6.3); 7.3888 (5.6); 7.3857 (6.8); 7.3729 (3.4); 7.3570 (6.6); 7.3412 (3.7); 7.2596 (19.1); 7.1896 (3.9); 7.1857 (3.7); 7.1728 (3.2); 7.1688 (3.1); 7.0526 (3.7); 7.0369 (3.3); 6.9739 (3.0); 6.9707 (3.0); 6.9692 (3.1); 6.9578 (2.6); 6.9545 (2.7); 6.9530 (2.8); 6.9044 (4.1); 6.9005 (5.6); 6.8968 (3.4); 6.0577 (1.3); 6.0513 (1.4); 6.0440 (1.4); 6.0375 (1.3); 5.9648 (1.3); 5.9584 (1.4); 5.9511 (1.4); 5.9446 (1.2); 5.2978 (6.1); 4.2593 (0.8); 4.2527 (0.8); 4.2461 (0.9); 4.2395 (0.8); 4.2300 (1.0); 4.2234 (1.0); 4.2168 (1.0); 4.2101 (1.0); 4.2070 (1.0); 4.2003 (0.8); 4.1937 (0.9); 4.1870 (0.8); 4.1775 (0.9); 4.1709 (0.9); 4.1643 (0.9); 4.1577 (0.8); 3.8380 (0.9); 3.8276 (1.0); 3.8244 (1.0); 3.8138 (0.9); 3.8087 (0.9); 3.7981 (1.0); 3.7946 (1.6); 3.7842 (1.6); 3.7809 (1.0); 3.7701 (0.9); 3.7650 (0.8); 3.7546 (0.8); 3.7513 (0.8); 3.7408 (0.6); 2.9550 (0.8); 2.8827 (0.8); 1.9696 (0.8); 1.9594 (1.6); 1.9527 (1.7); 1.9427 (2.9); 1.9327 (1.7); 1.9259 (1.5); 1.9157 (0.8); 1.5528 (2.7); 1.2552 (0.4); 1.0487 (0.4); 1.0369 (2.3); 1.0273 (5.4); 1.0238 (5.4); 1.0204 (3.2); 1.0145 (2.9); 1.0105 (5.4); 1.0069 (4.8); 0.9978 (2.1); 0.7833 (0.4); 0.7728 (0.4); 0.7533 (2.6); 0.7437 (6.7); 0.7405 (5.8); 0.7340 (5.4); 0.7306 (6.5); 0.7209 (1.8); 0.0062 (1.4); −0.0002 (22.0); −0.0067 (0.9)

I-734: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 8.1135 (5.1); 7.8640 (0.8); 7.6027 (1.0); 7.5992 (1.2); 7.5829 (1.8); 7.5759 (1.2); 7.5686 (1.0); 7.5461 (2.7); 7.3932 (0.8); 7.3899 (0.8); 7.3824 (1.3); 7.3766 (3.0); 7.3733 (3.3); 7.3668 (5.4); 7.3502 (1.4); 7.2605 (11.0); 6.0588 (0.6); 6.0523 (0.6); 6.0452 (0.6); 6.0387 (0.6); 5.9658 (0.6); 5.9593 (0.6); 5.9522 (0.6); 5.9457 (0.6); 5.2988 (2.2); 4.2720 (0.3); 4.2655 (0.4); 4.2589 (0.4); 4.2523 (0.4); 4.2427 (0.4); 4.2362 (0.4); 4.2296 (0.4); 4.2228 (0.4); 4.2200 (0.4); 4.2133 (0.3); 4.2067 (0.4); 4.2001 (0.3); 4.1905 (0.4); 4.1840 (0.4); 4.1774 (0.4); 4.1708 (0.3); 3.8858 (0.4); 3.8751 (0.4); 3.8723 (0.5); 3.8615 (0.4); 3.8566 (0.4); 3.8457 (0.4); 3.8421 (0.6); 3.8313 (0.6); 3.8283 (0.5); 3.8173 (0.4); 3.8124 (0.4); 3.8016 (0.4); 3.7988 (0.4); 2.9553 (0.8); 2.8828 (0.8); 2.7280 (16.0); 1.5518 (5.1); 0.0062 (0.8); −0.0002 (13.3); −0.0064 (1.0)

I-735: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 8.1135 (5.2); 7.8750 (0.5); 7.8645 (0.7); 7.8541 (0.4); 7.6027 (0.9); 7.5993 (1.0); 7.5899 (1.3); 7.5861 (1.5); 7.5828 (1.5); 7.5754 (0.9); 7.5686 (0.9); 7.5459 (2.5); 7.3931 (0.8); 7.3898 (0.8); 7.3824 (1.2); 7.3764 (2.8); 7.3731 (3.0); 7.3667 (5.0); 7.3501 (1.3); 7.2606 (9.1); 6.0588 (0.6); 6.0523 (0.6); 6.0452 (0.6); 6.0387 (0.5); 5.9658 (0.6); 5.9593 (0.6); 5.9521 (0.6); 5.9456 (0.5); 5.2986 (10.5); 4.2718 (0.3); 4.2652 (0.3); 4.2586 (0.3); 4.2520 (0.3); 4.2425 (0.4); 4.2359 (0.4); 4.2293 (0.4); 4.2226 (0.4); 4.2198 (0.4); 4.2064 (0.3); 4.1903 (0.4); 4.1837 (0.3); 4.1771 (0.3); 3.8860 (0.4); 3.8752 (0.4); 3.8725 (0.4); 3.8616 (0.4); 3.8567 (0.3); 3.8458 (0.4); 3.8423 (0.6); 3.8314 (0.6); 3.8284 (0.4); 3.8175 (0.4); 3.8125 (0.3); 3.8018 (0.3); 2.7279 (16.0); 1.5625 (0.5); 0.0063 (0.6); −0.0002 (11.0); −0.0068 (0.4)

I-736: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 8.2513 (16.0); 8.0874 (1.2); 8.0771 (1.8); 7.4024 (5.6); 7.3952 (4.6); 7.3917 (5.9); 7.3887 (5.4); 7.3858 (6.8); 7.3729 (3.4); 7.3570 (6.6); 7.3412 (3.9); 7.2597 (18.6); 7.1897 (3.9); 7.1857 (3.8); 7.1729 (3.3); 7.1689 (3.2); 7.0525 (3.6); 7.0369 (3.2); 6.9754 (2.6); 6.9739 (2.7); 6.9707 (3.0); 6.9691 (2.9); 6.9593 (2.4); 6.9577 (2.4); 6.9545 (2.8); 6.9529 (2.6); 6.9046 (4.1); 6.9007 (5.5); 6.8967 (3.4); 6.0579 (1.3); 6.0514 (1.4); 6.0442 (1.4); 6.0377 (1.3); 5.9650 (1.3); 5.9585 (1.4); 5.9512 (1.4); 5.9447 (1.2); 5.2977 (3.9); 4.2592 (0.8); 4.2526 (0.8); 4.2460 (0.8); 4.2394 (0.8); 4.2299 (0.9); 4.2233 (0.9); 4.2167 (0.9); 4.2100 (1.0); 4.2069 (1.0); 4.2002 (0.8); 4.1935 (0.8); 4.1870 (0.8); 4.1774 (0.9); 4.1708 (0.9); 4.1642 (0.9); 4.1576 (0.8); 3.8380 (0.9); 3.8277 (1.0); 3.8243 (1.0); 3.8139 (1.0); 3.8087 (0.9); 3.7983 (0.9); 3.7946 (1.7); 3.7842 (1.7); 3.7807 (1.0); 3.7702 (0.9); 3.7650 (0.9); 3.7547 (0.8); 3.7512 (0.8); 3.7409 (0.7); 2.9546 (0.8); 2.8823 (0.7); 1.9696 (0.8); 1.9595 (1.5); 1.9527 (1.6); 1.9498 (1.1); 1.9427 (2.9); 1.9357 (1.1); 1.9327 (1.7); 1.9259 (1.6); 1.9158 (0.8); 1.5525 (4.3); 1.2552 (0.4); 1.0368 (2.1); 1.0273 (5.0); 1.0237 (5.3); 1.0203 (3.0); 1.0145 (2.9); 1.0105 (5.3); 1.0069 (5.0); 0.9977 (2.3); 0.9845 (0.4); 0.7729 (0.3); 0.7533 (2.4); 0.7437 (6.5); 0.7405 (5.7); 0.7340 (5.4); 0.7306 (6.8); 0.7208 (2.1); 0.0700 (1.2); 0.0063 (1.0); −0.0002 (22.6); −0.0068 (1.1)

I-737: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.3695 (1.0); 9.3551 (1.9); 9.3408 (0.9); 7.9614 (1.9); 7.3434 (2.3); 7.3233 (2.5); 7.2770 (7.8); 7.1002 (3.6); 6.9819 (2.0); 6.9624 (1.8); 4.1731 (0.9); 4.1585 (1.0); 4.1368 (1.9); 4.1212 (1.8); 4.0991 (1.0); 4.0848 (0.9); 3.3142 (66.7); 3.1281 (0.6); 3.0986 (1.2); 3.0769 (1.2); 3.0472 (0.6); 2.8997 (8.5); 2.7406 (8.1); 2.5105 (17.6); 2.4455 (9.5); 2.4132 (0.6); 2.2674 (0.6); 2.2231 (16.0); 2.1891 (0.3);

TABLE 2-continued

2.1274 (0.6); 2.1142 (0.7); 2.0976 (1.2); 2.0816 (1.5); 2.0698 (1.4); 2.0546 (1.5); 2.0343 (0.9); 1.3613 (0.6); 1.3454 (0.5)
I-738: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.2187 (2.2); 7.9612 (2.6); 7.6528 (3.0); 7.5666 (2.6); 7.5459 (3.2); 7.4062 (1.6); 7.3819 (2.2); 7.3583 (1.2); 7.2825 (8.6); 6.0587 (1.3); 5.9441 (1.3); 3.9967 (0.3); 3.9368 (1.5); 3.8883 (1.4); 3.3132 (83.3); 3.1306 (0.7); 3.1020 (1.4); 3.0791 (1.5); 3.0486 (0.7); 2.8997 (11.8); 2.7407 (11.2); 2.5106 (23.1); 2.4126 (0.6); 2.4010 (0.6); 2.2715 (16.0); 2.1480 (0.3); 2.1007 (1.5); 2.0819 (1.8); 2.0682 (1.6); 2.0547 (1.9); 2.0335 (1.1); 1.4004 (0.6); 1.3838 (0.6); 1.3613 (0.6); 1.3446 (0.6)
I-739: ^{1}H-NMR(300.2 MHz, CDCl3):
δ =7.4171 (2.5); 7.4101 (2.7); 7.3099 (2.1); 7.2991 (2.3); 7.2825 (2.8); 7.2168 (0.5); 7.1264 (1.8); 7.1193 (2.1); 7.0990 (1.6); 7.0914 (3.1); 7.0806 (1.6); 7.0689 (3.8); 7.0595 (1.2); 7.0524 (1.4); 7.0324 (0.4); 6.8467 (0.7); 6.8353 (0.7); 6.8254 (1.2); 6.8169 (1.1); 6.8002 (0.7); 6.7933 (0.6); 4.1853 (0.4); 4.1628 (0.9); 4.1370 (2.0); 4.1102 (2.4); 4.0860 (1.1); 4.0617 (0.4); 4.0073 (1.4); 3.6028 (16.0); 3.2442 (1.8); 3.2204 (3.6); 3.1952 (1.7); 2.3522 (15.6); 2.1375 (0.6); 2.1266 (0.6); 2.1094 (1.1); 2.0923 (0.6); 2.0813 (0.7); 2.0396 (1.3); 1.6435 (1.2); 1.3003 (0.9); 1.0575 (0.7); 1.0438 (1.8); 1.0373 (2.0); 1.0236 (1.1); 1.0155 (1.9); 1.0088 (1.8); 0.9954 (0.7); 0.9387 (0.3); 0.9169 (0.9); 0.8935 (0.4); 0.8076 (1.0); 0.7906 (2.2); 0.7863 (2.0); 0.7745 (2.2); 0.7691 (1.6); 0.7568 (0.7); 0.0358 (2.7)
I-740: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.3970 (3.8); 7.3906 (4.5); 7.3751 (5.6); 7.2985 (1.7); 7.2706 (2.4); 7.2435 (3.6); 7.1226 (1.0); 7.0964 (5.0); 7.0707 (6.4); 7.0430 (1.9); 7.0209 (0.6); 6.8521 (1.4); 6.8437 (1.1); 6.8297 (2.5); 6.8230 (2.0); 6.8048 (1.2); 6.7989 (1.2); 6.3406 (0.5); 5.3226 (1.6); 4.1302 (2.2); 4.1069 (4.3); 4.0833 (2.4); 3.9689 (1.7); 3.8635 (0.5); 3.8576 (0.5); 3.6161 (16.0); 3.2059 (2.3); 3.1986 (1.4); 3.1824 (4.1); 3.1591 (2.2); 3.0985 (0.6); 2.1575 (0.4); 2.1404 (0.9); 2.1292 (1.1); 2.1123 (1.9); 2.0954 (1.1); 2.0842 (1.0); 2.0668 (0.5); 1.2893 (1.5); 1.0625 (1.2); 1.0466 (3.1); 1.0409 (3.2); 1.0187 (3.0); 1.0133 (2.8); 0.9982 (1.0); 0.9332 (0.4); 0.9117 (1.2); 0.8886 (0.5); 0.8103 (1.7); 0.7950 (4.7); 0.7903 (4.6); 0.7784 (4.0); 0.7729 (4.8); 0.7563 (1.3); 0.0320 (1.5)
I-741: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 7.5276 (0.5); 7.5121 (1.7); 7.4964 (2.1); 7.4896 (2.4); 7.4739 (0.7); 7.4415 (2.3); 7.4197 (2.4); 7.4030 (2.9); 7.3945 (2.0); 7.3913 (2.7); 7.3886 (2.1); 7.3724 (1.4); 7.3571 (1.1); 7.2627 (2.8); 7.2208 (1.8); 7.2168 (1.7); 7.2040 (1.5); 7.2000 (1.4); 6.6699 (0.6); 6.6580 (1.0); 6.6460 (0.6); 6.0104 (0.6); 6.0044 (0.6); 5.9961 (0.6); 5.9900 (0.6); 5.9170 (0.6); 5.9109 (0.6); 5.9026 (0.6); 5.8965 (0.6); 5.2959 (1.5); 4.1796 (0.3); 4.1734 (0.3); 4.1664 (0.3); 4.1602 (0.3); 4.1502 (0.4); 4.1440 (0.4); 4.1370 (0.4); 4.1308 (0.4); 4.1246 (0.4); 4.1113 (0.3); 4.1051 (0.3); 4.0951 (0.4); 4.0889 (0.4); 4.0819 (0.4); 4.0757 (0.4); 3.8500 (0.4); 3.8383 (0.4); 3.8357 (0.4); 3.8240 (0.4); 3.8207 (0.4); 3.8069 (0.7); 3.7951 (0.7); 3.7811 (0.4); 3.7779 (0.4); 3.7661 (0.4); 3.7635 (0.4); 2.5682 (15.8); 2.2644 (16.0); −0.0002 (3.2)
I-742: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 7.5292 (0.6); 7.5137 (1.8); 7.4981 (2.2); 7.4906 (2.6); 7.4750 (0.9); 7.4437 (2.4); 7.4211 (2.5); 7.4043 (3.0); 7.3929 (2.8); 7.3905 (2.3); 7.3753 (1.6); 7.3599 (1.2); 7.2625 (3.0); 7.2221 (1.7); 7.2181 (1.8); 7.2053 (1.5); 7.2013 (1.5); 6.6373 (0.6); 6.6254 (1.2); 6.6135 (0.7); 6.0128 (0.6); 6.0068 (0.6); 5.9984 (0.7); 5.9924 (0.6); 5.9193 (0.6); 5.9133 (0.6); 5.9050 (0.7); 5.8989 (0.6); 5.2963 (1.4); 4.1858 (0.3); 4.1796 (0.3); 4.1726 (0.4); 4.1663 (0.4); 4.1564 (0.4); 4.1502 (0.4); 4.1432 (0.4); 4.1369 (0.4); 4.1308 (0.4); 4.1246 (0.4); 4.1175 (0.4); 4.1113 (0.4); 4.1014 (0.4); 4.0952 (0.4); 4.0881 (0.4); 4.0819 (0.4); 3.8523 (0.4); 3.8407 (0.4); 3.8382 (0.5); 3.8264 (0.4); 3.8231 (0.4); 3.8093 (0.8); 3.7974 (0.8); 3.7835 (0.4); 3.7802 (0.4); 3.7685 (0.4); 3.7659 (0.4); 2.9332 (0.5); 2.8414 (0.5); 2.5753 (16.0); 2.2696 (16.0); −0.0002 (3.4)
I-743: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 8.2706 (16.0); 7.8417 (1.8); 7.8314 (1.1); 7.6153 (1.4); 7.6017 (2.5); 7.5883 (1.6); 7.5023 (1.3); 7.4868 (2.8); 7.4720 (1.7); 7.4253 (5.0); 7.4085 (6.2); 7.4032 (4.6); 7.3995 (7.3); 7.3971 (6.9); 7.3812 (3.7); 7.3650 (1.5); 7.2607 (9.8); 7.2377 (3.7); 7.2337 (3.7); 7.2209 (3.1); 7.2169 (3.1); 7.0227 (2.6); 6.9133 (5.4); 6.8040 (2.7); 6.0671 (1.2); 6.0608 (1.3); 6.0533 (1.3); 6.0469 (1.3); 5.9741 (1.2); 5.9677 (1.3); 5.9602 (1.4); 5.9539 (1.3); 5.2977 (0.5); 4.2747 (0.7); 4.2682 (0.7); 4.2614 (0.7); 4.2549 (0.8); 4.2453 (0.8); 4.2389 (0.9); 4.2321 (0.8); 4.2255 (0.9); 4.2220 (0.9); 4.2154 (0.7); 4.2086 (0.8); 4.2021 (0.7); 4.1925 (0.9); 4.1861 (0.8); 4.1793 (0.9); 4.1728 (0.8); 3.8745 (0.8); 3.8639 (0.9); 3.8607 (0.9); 3.8501 (0.8); 3.8452 (0.8); 3.8343 (0.8); 3.8311 (1.6); 3.8205 (1.6); 3.8173 (1.0); 3.8065 (0.8); 3.8016 (0.8); 3.7910 (0.8); 3.7878 (0.8); 3.7772 (0.7); 2.1680 (0.8); 1.5663 (0.5); 1.2563 (0.6); 0.0063 (0.4); −0.0002 (11.3); −0.0066 (0.6)
I-744: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 8.2702 (16.0); 7.8522 (1.4); 7.8420 (2.0); 7.6152 (1.8); 7.6015 (2.9); 7.5881 (1.9); 7.5023 (1.7); 7.4868 (3.3); 7.4720 (2.1); 7.4253 (5.8); 7.4085 (7.2); 7.4031 (5.3); 7.3994 (7.9); 7.3971 (7.3); 7.3811 (4.0); 7.3649 (1.7); 7.2608 (9.6); 7.2376 (4.1); 7.2336 (3.9); 7.2209 (3.4); 7.2168 (3.2); 7.0226 (2.8); 6.9132 (5.7); 6.8039 (2.8); 6.0670 (1.4); 6.0607 (1.5); 6.0532 (1.5); 6.0468 (1.4); 5.9740 (1.4); 5.9676 (1.5); 5.9602 (1.5); 5.9538 (1.3); 5.2977 (0.9); 4.2744 (0.9); 4.2679 (0.9); 4.2610 (0.9); 4.2546 (0.9); 4.2450 (1.0); 4.2385 (1.0); 4.2317 (1.0); 4.2252 (1.1); 4.2217 (1.0); 4.2151 (0.9); 4.2083 (0.9); 4.2018 (0.8); 4.1922 (1.0); 4.1857 (0.9); 4.1789 (1.0); 4.1724 (0.9); 3.8743 (1.0); 3.8637 (1.1); 3.8605 (1.1); 3.8499 (1.0); 3.8450 (0.9); 3.8342 (1.0); 3.8309 (1.8); 3.8204 (1.8); 3.8171 (1.2); 3.8063 (1.0); 3.8014 (0.9); 3.7909 (0.9); 3.7876 (0.9); 3.7770 (0.7); 2.1677 (0.8); 1.5616 (1.9); 1.2560 (0.6); 0.0062 (0.6); −0.0002 (10.9); −0.0067 (0.6)
I-745: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.3336 (5.3); 7.3084 (2.9); 7.2990 (2.9); 7.2822 (3.4); 7.2559 (1.4); 7.1255 (1.6); 7.0999 (1.9); 7.0030 (2.9); 6.9912 (3.7); 6.9857 (5.1); 6.9590 (4.7); 6.9529 (4.4); 6.9164 (3.8); 6.8871 (1.2); 6.8607 (3.1); 6.8353 (1.6); 6.2728 (4.7); 4.5449 (0.5); 4.4271 (5.3); 3.7884 (0.6); 3.7719 (0.6); 3.7524 (0.5); 3.6868 (0.4); 3.4644 (0.7); 3.4517 (16.0); 3.4296 (0.4); 3.4180 (0.3); 3.3846 (0.4); 3.2579 (0.8); 3.2405 (0.5); 3.1947 (15.2); 3.0372 (1.4); 3.0121 (2.7); 2.9870 (1.3); 2.8538 (1.5); 2.8319 (2.6); 2.8100 (1.0); 2.7335 (0.4); 2.6989 (12.6); 2.5472 (14.0); 2.3984 (10.4); 2.3691 (10.4); 2.3324 (0.7); 2.3246 (0.5); 2.3006 (9.9); 2.2582 (0.4); 2.2477 (0.4); 2.0354 (1.8); 1.9649 (11.0); 1.9345 (1.4); 1.9244 (1.0); 1.9183 (0.9); 1.9077 (1.5); 1.8909 (0.8); 1.8805 (0.6); 1.7596 (0.6); 1.0296 (0.7); 1.0146 (2.0); 1.0073 (2.1); 1.0017 (2.8); 0.9941 (2.7); 0.9863 (2.4); 0.9796 (2.7); 0.9735 (2.3); 0.9658 (2.4); 0.9521 (0.9); 0.7650 (0.8); 0.7497 (2.2); 0.7440 (2.1); 0.7337 (2.1); 0.7261 (3.2); 0.7171 (2.3); 0.7065 (2.0); 0.7005 (2.4); 0.6842 (0.7); 0.0410 (2.7)

TABLE 2-continued

I-746: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.4988 (2.1); 7.4721 (2.1); 7.3054 (2.2); 7.2987 (6.9); 7.1361 (0.4); 7.1096 (1.4); 7.0824 (2.4); 7.0732 (1.3); 7.0581 (0.9); 7.0522 (1.1); 7.0313 (0.5); 7.0250 (0.4); 7.0018 (1.1); 6.9751 (1.0); 6.8557 (0.6); 6.8479 (0.6); 6.8327 (1.1); 6.8264 (0.9); 6.8078 (0.6); 6.8019 (0.5); 6.4765 (0.4); 6.4553 (0.8); 6.4346 (0.4); 4.4886 (0.9); 4.4672 (0.8); 4.4417 (1.9); 4.4202 (1.8); 4.3947 (0.9); 4.3732 (0.9); 3.3952 (0.4); 2.4155 (0.4); 2.3946 (16.0); 2.3367 (7.9); 2.1310 (0.4); 2.1200 (0.5); 2.1029 (0.8); 2.0859 (0.5); 2.0747 (0.5); 1.6082 (0.5); 1.3021 (0.6); 1.0809 (0.6); 1.0655 (1.6); 1.0587 (1.8); 1.0440 (1.0); 1.0369 (1.8); 1.0303 (1.6); 1.0158 (0.8); 0.9183 (0.6); 0.8195 (0.8); 0.8044 (2.0); 0.7986 (1.9); 0.7876 (1.7); 0.7819 (2.1); 0.7654 (0.6); 0.0363 (7.8)

I-747: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.4382 (2.0); 7.4100 (2.4); 7.2991 (9.9); 7.2707 (2.1); 7.1328 (1.2); 7.1149 (1.7); 7.1046 (1.2); 7.0895 (3.2); 7.0821 (1.6); 7.0673 (1.0); 7.0616 (1.3); 7.0406 (0.4); 7.0344 (0.4); 6.8606 (0.7); 6.8523 (0.7); 6.8376 (1.2); 6.8311 (1.1); 6.8127 (0.6); 6.8065 (0.6); 6.5161 (0.5); 6.4954 (0.9); 6.4755 (0.5); 4.2972 (1.0); 4.2759 (0.9); 4.2497 (2.0); 4.2284 (2.0); 4.2021 (1.0); 4.1809 (1.0); 2.5660 (6.6); 2.3811 (16.0); 2.1300 (0.5); 2.1184 (0.6); 2.1017 (1.0); 2.0843 (0.6); 2.0735 (0.6); 1.5998 (4.3); 1.3667 (0.4); 1.3425 (1.0); 1.3022 (6.1); 1.0785 (0.6); 1.0629 (1.8); 1.0563 (2.1); 1.0417 (1.1); 1.0345 (2.0); 1.0279 (1.9); 1.0136 (0.9); 0.9403 (2.1); 0.9189 (6.1); 0.8956 (2.4); 0.8181 (0.9); 0.8025 (2.3); 0.7974 (2.3); 0.7863 (2.0); 0.7803 (2.5); 0.7641 (0.7); 0.0477 (0.4); 0.0370 (12.5)

I-748: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.4390 (2.2); 7.3718 (1.5); 7.3438 (2.9); 7.2989 (21.1); 7.2607 (0.8); 7.1450 (0.5); 7.1189 (1.6); 7.0927 (3.1); 7.0844 (1.4); 7.0692 (1.0); 7.0639 (1.3); 7.0427 (0.5); 7.0362 (0.4); 6.8634 (0.7); 6.8554 (0.7); 6.8404 (1.3); 6.8335 (1.1); 6.8152 (0.7); 6.8098 (0.6); 6.4741 (0.5); 6.4532 (0.9); 6.4344 (0.5); 4.3006 (1.0); 4.2789 (0.9); 4.2530 (2.1); 4.2318 (2.0); 4.2056 (1.0); 4.1842 (1.0); 2.5652 (6.6); 2.3864 (16.0); 2.1336 (0.5); 2.1219 (0.6); 2.1050 (1.0); 2.0885 (0.6); 2.0769 (0.6); 1.5905 (12.2); 1.3426 (0.5); 1.3025 (3.4); 1.0806 (0.6); 1.0652 (1.9); 1.0585 (2.1); 1.0437 (1.1); 1.0368 (2.0); 1.0303 (2.0); 1.0156 (0.9); 0.9407 (1.1); 0.9191 (3.3); 0.8956 (1.3); 0.8210 (0.8); 0.8058 (2.3); 0.8010 (2.3); 0.7890 (2.0); 0.7835 (2.5); 0.7669 (0.7); 0.0479 (0.9); 0.0370 (26.9); 0.0264 (1.2)

I-749: ^{1}H-NMR(300.2 MHz, CDCl3):
δ =7.3188 (2.6); 7.2975 (1.9); 7.2660 (1.6); 7.1740 (1.7); 7.1484 (1.2); 7.1094 (0.4); 7.0803 (1.5); 7.0610 (2.6); 6.8140 (1.4); 6.6368 (1.2); 5.3332 (1.2); 4.2169 (0.8); 4.1990 (0.8); 4.1690 (1.5); 4.1528 (1.4); 4.1246 (0.8); 2.3611 (8.3); 2.2773 (16.0); 2.1089 (0.7); 2.0838 (1.0); 2.0704 (0.9); 1.6555 (1.4); 1.0435 (2.4); 1.0204 (2.3); 0.7810 (3.1); 0.0382 (1.0)

I-750: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5529 (0.6); 7.5305 (1.1); 7.5088 (0.7); 7.4286 (0.5); 7.4024 (1.2); 7.3787 (0.9); 7.3656 (2.1); 7.3385 (3.5); 7.3102 (1.6); 7.2993 (1.7); 7.2836 (0.6); 7.0765 (2.4); 7.0703 (2.2); 6.9824 (1.3); 6.9558 (1.1); 6.8861 (2.4); 6.7788 (0.6); 6.7582 (1.1); 6.7376 (0.6); 6.7036 (1.2); 4.2559 (0.9); 4.2349 (0.9); 4.2076 (1.9); 4.1866 (1.8); 4.1592 (1.0); 4.1382 (0.9); 3.1977 (0.4); 2.5160 (6.7); 2.3712 (0.4); 2.3445 (16.0); 2.3168 (9.2); 1.6748 (0.8); 1.3047 (1.2); 0.9425 (0.4); 0.9210 (1.1); 0.8977 (0.4); 0.0396 (1.6)

I-751: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.2743 (0.3); 7.4116 (3.2); 7.3850 (3.7); 7.2985 (20.5); 7.1257 (1.0); 7.0990 (2.8); 7.0713 (7.4); 7.0628 (5.9); 7.0479 (2.0); 7.0417 (2.3); 7.0209 (0.9); 7.0146 (0.8); 6.9580 (2.0); 6.9311 (1.7); 6.8626 (1.2); 6.8547 (1.2); 6.8396 (2.2); 6.8332 (1.8); 6.8147 (1.1); 6.8088 (1.0); 6.3287 (0.8); 6.3097 (1.5); 6.2891 (0.8); 4.3102 (1.8); 4.2895 (1.7); 4.2624 (3.9); 4.2417 (3.7); 4.2145 (1.9); 4.1938 (1.9); 4.1676 (0.4); 4.1438 (0.4); 2.5285 (10.9); 2.5215 (6.3); 2.3653 (0.4); 2.2952 (14.5); 2.1461 (0.4); 2.1289 (0.8); 2.1179 (0.9); 2.1008 (1.7); 2.0809 (2.5); 2.0729 (1.0); 2.0549 (0.5); 1.5885 (16.0); 1.3201 (0.5); 1.2963 (1.1); 1.2725 (0.5); 1.0795 (1.3); 1.0642 (3.3); 1.0574 (3.6); 1.0514 (2.0); 1.0425 (2.0); 1.0355 (3.5); 1.0290 (3.2); 1.0143 (1.6); 0.8157 (1.8); 0.8006 (4.0); 0.7946 (3.8); 0.7836 (3.5); 0.7781 (4.2); 0.7616 (1.3); 0.1085 (2.8); 0.0494 (0.8); 0.0386 (23.7); 0.0277 (0.9)

I-752: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.4808 (0.4); 7.4753 (0.4); 7.3814 (0.5); 7.3622 (0.7); 7.3574 (0.7); 7.2991 (11.1); 7.0506 (0.7); 5.3390 (1.4); 5.1214 (0.4); 4.9272 (0.4); 2.2830 (2.8); 1.5879 (16.0); 1.0442 (0.3); 1.0372 (0.4); 1.0102 (0.8); 0.9871 (1.3); 0.9634 (0.6); 0.7933 (0.4); 0.7894 (0.4); 0.7762 (0.4); 0.7718 (0.3); 0.1069 (0.6); 0.0486 (0.4); 0.0377 (10.8); 0.0269 (0.5)

I-753: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5073 (0.7); 7.4998 (0.8); 7.4818 (1.2); 7.4762 (1.1); 7.3936 (0.4); 7.3881 (0.4); 7.3769 (1.4); 7.3660 (0.9); 7.3581 (2.0); 7.3526 (2.0); 7.3425 (0.5); 7.2990 (12.3); 7.0725 (0.8); 7.0576 (0.6); 7.0491 (1.8); 7.0357 (0.5); 7.0294 (0.7); 6.8372 (0.3); 6.8155 (0.6); 6.8077 (0.5); 5.3385 (1.5); 5.1689 (0.9); 5.1186 (1.3); 4.9132 (1.2); 4.8629 (0.8); 3.6513 (0.4); 3.6251 (0.9); 3.6035 (0.9); 3.5956 (0.9); 3.5754 (0.9); 3.5697 (0.5); 3.5494 (0.3); 2.2597 (7.9); 2.1420 (0.5); 2.1124 (0.5); 1.6634 (0.3); 1.6414 (0.4); 1.6195 (0.4); 1.5912 (16.0); 1.0446 (0.9); 1.0380 (1.0); 1.0277 (0.5); 1.0225 (0.4); 1.0160 (0.9); 1.0095 (1.0); 0.9947 (0.4); 0.8072 (0.4); 0.7906 (1.0); 0.7865 (0.9); 0.7761 (1.0); 0.7690 (0.7); 0.7565 (0.3); 0.6936 (3.5); 0.6711 (3.4); 0.6460 (3.6); 0.6235 (3.4); 0.1070 (0.6); 0.0485 (0.4); 0.0376 (11.5); 0.0268 (0.5)

I-754: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.2132 (0.8); 8.1882 (0.8); 8.1198 (5.2); 7.4036 (1.1); 7.3772 (2.5); 7.3509 (1.5); 7.2985 (5.8); 7.1353 (1.8); 7.1097 (2.1); 7.0810 (1.3); 7.0550 (1.1); 6.9429 (0.9); 6.9400 (1.0); 6.9349 (1.3); 6.9318 (1.4); 6.9171 (2.2); 6.9082 (1.2); 6.9053 (1.0); 6.8660 (1.6); 6.8597 (2.1); 6.8528 (1.2); 6.8246 (1.1); 6.7992 (0.9); 5.3362 (13.8); 5.3105 (0.6); 5.2872 (1.6); 5.2625 (1.6); 5.2393 (0.6); 3.3451 (0.3); 3.2978 (1.5); 3.2756 (2.8); 3.2534 (1.5); 3.2291 (0.3); 2.7436 (16.0); 2.3527 (11.2); 2.2455 (10.3); 2.0012 (0.5); 1.9901 (0.6); 1.9849 (0.4); 1.9733 (1.1); 1.9618 (0.4); 1.9565 (0.6); 1.9454 (0.6); 1.6078 (4.6); 1.2974 (0.3); 1.0843 (0.7); 1.0691 (1.8); 1.0623 (2.0); 1.0567 (1.0); 1.0473 (1.1); 1.0407 (2.0); 1.0342 (1.7); 1.0194 (0.9); 0.8004 (0.9); 0.7851 (2.3); 0.7792 (2.0); 0.7687 (1.8); 0.7629 (2.4); 0.7466 (0.7); 0.0389 (7.2)

I-755: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.3817 (0.4); 9.3665 (0.9); 9.3509 (0.4); 9.0947 (0.8); 9.0797 (1.6); 9.0642 (0.8); 8.3163 (1.0); 7.7524 (0.5); 7.7432 (0.9); 7.7330 (1.4); 7.7239 (2.2); 7.7134 (1.4); 7.7040 (2.2); 7.6928 (8.2); 7.6801 (2.5); 7.6610 (1.6); 7.6400 (0.4); 7.6222 (2.8); 7.5890 (1.6); 7.5619 (2.3); 7.5417 (2.1); 7.3544 (1.2); 7.3344 (1.4); 7.3200 (2.4); 7.3000 (2.7); 7.1054 (1.6); 7.0755 (3.0); 7.0538 (0.4); 6.9622 (0.8); 6.9306 (1.7); 6.9109 (1.5); 4.1837 (0.4); 4.1691 (0.4); 4.1448 (0.9); 4.1315 (1.5); 4.1166 (1.0); 4.0953 (2.1); 4.0797 (1.8); 4.0583 (1.0); 4.0431 (0.9); 3.9842 (2.4); 3.9793 (2.4); 3.9744 (2.4); 3.9528 (2.9); 3.4987

TABLE 2-continued

(1.2); 3.4915 (1.3); 3.4709 (2.4); 3.4633 (2.2); 3.4437 (1.3); 3.4351 (1.2); 3.3375 (315.2); 3.3046 (1.8); 3.2868 (0.6); 3.2703 (1.2); 3.2544 (1.4); 3.2415 (0.7); 3.2057 (0.8); 3.1947 (1.0); 3.1783 (1.0); 3.1667 (1.4); 3.1522 (0.8); 3.1400 (0.7); 3.1270 (0.4); 2.7789 (0.4); 2.7614 (0.3); 2.6811 (0.9); 2.6766 (1.3); 2.6722 (1.0); 2.5469 (4.7); 2.5121 (165.2); 2.5076 (217.9); 2.5032 (166.6); 2.4237 (9.6); 2.3836 (1.0); 2.3388 (1.1); 2.3345 (1.4); 2.3299 (1.1); 2.2913 (0.5); 2.2799 (0.5); 2.2471 (6.4); 2.2242 (11.8); 2.1707 (0.6); 2.0777 (16.0); 1.8130 (2.5); 1.8031 (3.3); 1.7884 (2.8); 1.7773 (2.0); 1.7596 (0.9); 1.7551 (0.8); 1.7488 (1.0); 1.7268 (0.4); 1.7164 (0.3); 1.5888 (1.0); 1.5605 (0.9); 1.3987 (0.4)

I-756: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.4570 (2.6); 7.4290 (3.2); 7.4072 (2.1); 7.4018 (2.8); 7.3968 (2.3); 7.3665 (0.4); 7.2988 (15.9); 7.2015 (1.9); 7.1948 (1.9); 7.1736 (1.6); 7.1669 (1.6); 7.1275 (1.1); 7.1162 (0.8); 7.1000 (3.2); 7.0946 (2.3); 7.0809 (4.1); 7.0663 (1.9); 7.0469 (0.5); 6.8417 (0.8); 6.8275 (0.9); 6.8200 (1.1); 6.8111 (1.3); 6.7956 (0.8); 6.7878 (0.7); 6.0895 (0.6); 6.0788 (0.6); 6.0672 (0.7); 6.0563 (0.6); 5.9348 (0.6); 5.9242 (0.6); 5.9125 (0.7); 5.9017 (0.6); 4.2573 (0.3); 4.2465 (0.3); 4.2355 (0.3); 4.2247 (0.3); 4.2085 (0.4); 4.1972 (0.5); 4.1867 (0.4); 4.1714 (0.9); 4.1597 (0.4); 4.1482 (0.8); 4.1377 (0.3); 4.1222 (0.5); 4.1110 (0.4); 4.0997 (0.4); 4.0888 (0.4); 3.8930 (0.4); 3.8750 (0.5); 3.8709 (0.5); 3.8528 (0.4); 3.8445 (0.4); 3.8177 (0.6); 3.7994 (0.6); 3.7773 (0.5); 3.7688 (0.4); 3.7506 (0.4); 3.7463 (0.4); 3.1000 (0.5); 3.0902 (0.7); 3.0774 (1.0); 3.0684 (1.0); 3.0558 (0.8); 3.0458 (0.5); 2.1479 (0.6); 2.1371 (0.6); 2.1198 (1.2); 2.1028 (0.7); 2.0918 (0.7); 2.0828 (2.4); 1.5906 (16.0); 1.3453 (0.4); 1.3211 (1.3); 1.3050 (2.6); 1.2975 (3.2); 1.2736 (0.8); 1.0774 (0.8); 1.0620 (2.2); 1.0553 (2.5); 1.0406 (1.3); 1.0335 (2.4); 1.0269 (2.2); 1.0124 (1.1); 0.9422 (1.0); 0.9204 (3.0); 0.9078 (0.7); 0.8964 (2.6); 0.8893 (2.4); 0.8661 (2.4); 0.8546 (0.8); 0.8474 (0.7); 0.8224 (1.2); 0.8073 (2.8); 0.8014 (2.8); 0.7904 (2.6); 0.7848 (3.0); 0.7684 (1.0); 0.7291 (0.8); 0.7133 (2.5); 0.7053 (2.4); 0.7009 (2.4); 0.6935 (1.8); 0.6777 (0.6); 0.0490 (0.6); 0.0383 (20.0); 0.0273 (0.8)

I-757: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.3427 (3.9); 7.3357 (4.2); 7.2990 (14.6); 7.2023 (3.2); 7.1750 (4.0); 7.1203 (0.8); 7.0934 (2.2); 7.0663 (3.2); 7.0554 (2.1); 7.0398 (1.5); 7.0340 (1.9); 7.0129 (0.8); 7.0069 (0.7); 6.9948 (2.5); 6.9878 (2.4); 6.9675 (2.0); 6.9604 (1.9); 6.9010 (0.8); 6.8354 (1.0); 6.8277 (1.0); 6.8121 (1.8); 6.8064 (1.5); 6.7873 (0.9); 6.7816 (0.9); 3.8190 (1.4); 3.7973 (3.8); 3.7762 (3.9); 3.7546 (1.6); 3.1963 (9.9); 3.1781 (9.9); 3.0943 (2.9); 3.0721 (5.4); 3.0498 (2.6); 2.1253 (0.7); 2.1140 (0.8); 2.0968 (1.4); 2.0823 (1.4); 2.0688 (0.8); 2.0515 (0.4); 1.5935 (16.0); 1.3211 (0.4); 1.3046 (0.9); 1.2975 (1.0); 1.0750 (1.0); 1.0596 (2.6); 1.0529 (2.9); 1.0382 (1.6); 1.0310 (2.9); 1.0245 (2.7); 1.0100 (1.3); 0.9204 (0.9); 0.8973 (0.3); 0.8174 (1.3); 0.8021 (3.2); 0.7964 (3.2); 0.7853 (2.9); 0.7795 (3.5); 0.7633 (1.0); 0.0492 (0.6); 0.0384 (18.0); 0.0275 (0.8)

I-758: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 9.3152 (0.5); 7.6629 (0.6); 7.6600 (0.6); 7.6567 (0.6); 7.6147 (0.7); 7.5866 (0.9); 7.3842 (0.5); 7.3773 (0.5); 7.3562 (0.4); 7.3493 (0.4); 7.1829 (0.5); 7.1563 (0.4); 7.1205 (0.3); 7.0971 (0.4); 6.9606 (0.4); 6.4762 (0.4); 6.4591 (0.4); 4.0386 (0.4); 3.3406 (16.0); 2.5348 (0.8); 2.5288 (1.6); 2.5227 (2.4); 2.5167 (1.7); 2.5107 (0.8); 2.0906 (0.4); 2.0098 (1.4); 1.2195 (0.4); 1.1958 (0.7); 1.1721 (0.4); 1.0599 (0.6); 1.0526 (0.6); 1.0392 (0.4); 1.0318 (0.6); 1.0245 (0.6); 0.8122 (0.6); 0.8059 (0.7); 0.7955 (0.6); 0.7889 (0.7); 0.0206 (0.8)

I-759: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 9.0413 (0.4); 9.0222 (0.9); 9.0032 (0.4); 7.5524 (1.8); 7.5452 (1.8); 7.4393 (1.4); 7.4117 (1.7); 7.2161 (1.1); 7.2088 (1.4); 7.1886 (1.0); 7.1812 (1.8); 7.1529 (0.9); 7.1174 (0.5); 7.1116 (0.6); 7.0882 (0.8); 7.0663 (0.4); 6.9859 (0.4); 6.9802 (0.4); 6.9600 (0.8); 6.9375 (0.4); 6.9324 (0.3); 3.6318 (0.4); 3.6093 (1.2); 3.5892 (1.2); 3.5670 (0.5); 3.3403 (16.0); 3.0171 (0.8); 2.9944 (1.8); 2.9714 (0.8); 2.5345 (1.2); 2.5286 (2.7); 2.5226 (3.8); 2.5165 (2.8); 2.5107 (1.3); 2.1136 (0.3); 2.1027 (0.4); 2.0861 (0.6); 2.0684 (0.4); 2.0576 (0.4); 1.0738 (0.4); 1.0589 (1.1); 1.0517 (1.2); 1.0381 (0.7); 1.0309 (1.1); 1.0236 (1.2); 1.0103 (0.5); 0.8253 (0.5); 0.8115 (1.2); 0.8052 (1.4); 0.7947 (1.3); 0.7881 (1.4); 0.7727 (0.4); 0.0204 (2.7)

I-760: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.8868 (1.2); 7.8429 (1.0); 7.3560 (2.1); 7.3294 (2.4); 7.2987 (9.4); 7.1009 (0.6); 7.0732 (1.8); 7.0491 (3.5); 7.0260 (4.0); 7.0057 (0.7); 6.9993 (0.5); 6.9200 (1.4); 6.8946 (1.3); 6.8164 (0.8); 6.8073 (0.8); 6.7940 (1.5); 6.7871 (1.2); 6.7689 (0.8); 6.7629 (0.7); 4.2199 (1.2); 4.2001 (1.2); 4.1727 (2.4); 4.1529 (2.3); 4.1253 (1.2); 4.1057 (1.2); 3.0162 (0.5); 3.0061 (0.8); 2.9942 (1.1); 2.9836 (1.1); 2.9717 (0.8); 2.9609 (0.5); 2.8431 (16.0); 2.4899 (7.6); 2.2909 (10.4); 2.1493 (0.6); 2.1380 (0.7); 2.1209 (1.2); 2.1037 (0.7); 2.0929 (0.7); 2.0752 (0.4); 1.6164 (6.7); 1.0681 (0.8); 1.0525 (2.3); 1.0460 (2.4); 1.0313 (1.4); 1.0242 (2.3); 1.0177 (2.2); 1.0033 (1.0); 0.9082 (0.6); 0.8853 (2.6); 0.8679 (2.7); 0.8455 (1.0); 0.8164 (1.2); 0.8011 (2.8); 0.7959 (2.8); 0.7845 (2.6); 0.7791 (2.9); 0.7626 (0.9); 0.7269 (1.0); 0.7115 (2.5); 0.7034 (2.8); 0.6748 (0.6); 0.1081 (1.0); 0.0381 (8.4)

I-761: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.4636 (4.2); 7.4356 (5.4); 7.4136 (4.6); 7.3651 (0.3); 7.3416 (0.4); 7.3343 (0.4); 7.2988 (18.2); 7.2373 (4.0); 7.2307 (4.0); 7.2095 (3.1); 7.2027 (2.9); 7.1219 (0.6); 7.0951 (6.7); 7.0769 (5.4); 7.0679 (3.4); 7.0495 (0.8); 6.8342 (1.3); 6.8178 (1.8); 6.8128 (1.6); 6.8029 (2.1); 6.7889 (1.2); 6.7802 (1.1); 6.0903 (0.9); 6.0799 (1.0); 6.0682 (1.0); 6.0576 (0.9); 5.9357 (0.9); 5.9250 (1.0); 5.9134 (1.0); 5.9031 (1.0); 5.3368 (16.0); 4.2428 (0.4); 4.2322 (0.4); 4.2216 (0.4); 4.2111 (0.4); 4.1944 (0.9); 4.1831 (0.6); 4.1708 (1.6); 4.1605 (0.7); 4.1468 (1.4); 4.1353 (0.5); 4.1234 (0.8); 4.1075 (0.6); 4.0967 (0.6); 4.0863 (0.6); 4.0752 (0.5); 3.9269 (0.6); 3.9061 (0.9); 3.8855 (0.6); 3.8779 (0.5); 3.8515 (0.8); 3.8306 (1.0); 3.8097 (0.6); 3.8024 (0.6); 3.7812 (0.7); 3.7604 (0.5); 3.1979 (10.0); 3.1797 (10.0); 2.1609 (0.4); 2.1438 (1.0); 2.1327 (1.0); 2.1155 (2.0); 2.0981 (1.2); 2.0821 (5.0); 2.0702 (0.6); 1.5990 (11.2); 1.3681 (0.4); 1.3442 (1.0); 1.3204 (2.9); 1.3045 (6.5); 1.2969 (7.4); 1.2729 (1.7); 1.0732 (1.3); 1.0577 (3.7); 1.0510 (3.9); 1.0365 (2.1); 1.0292 (3.8); 1.0226 (3.7); 1.0083 (1.7); 0.9416 (2.3); 0.9199 (7.3); 0.8966 (2.7); 0.8164 (1.7); 0.8011 (4.4); 0.7958 (4.3); 0.7845 (3.9); 0.7785 (4.7); 0.7625 (1.3); 0.0487 (0.6); 0.0380 (20.4); 0.0270 (0.8)

I-762: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.3205 (9.7); 8.1422 (0.7); 8.1239 (1.0); 7.3387 (2.2); 7.3119 (2.7); 7.2988 (10.6); 7.1927 (0.4); 7.1663 (5.6); 7.1523 (2.9); 7.1486 (4.3); 7.1430 (3.1); 7.1401 (2.9); 7.1217 (0.7); 7.0244 (6.0); 6.9994 (1.7); 6.9240 (1.1); 6.9061 (1.3); 6.9024 (1.3); 6.8926 (1.8); 6.8791 (0.9); 6.8701 (0.8); 6.0094 (0.7); 5.9994 (0.8); 5.9824 (0.8); 5.9725 (0.8); 5.8511 (0.7); 5.8411 (0.8); 5.8242 (0.8); 5.8143 (0.7); 4.2659 (0.4); 4.2560 (0.4); 4.2427 (0.4); 4.2326 (0.5); 4.2172 (0.5); 4.2071 (0.5); 4.1948 (0.6); 4.1840 (0.6); 4.1723 (0.8); 4.1672 (0.5); 4.1568 (0.4); 4.1485 (0.8); 4.1440 (0.6); 4.1335 (0.4); 4.1248 (0.4); 4.1183

TABLE 2-continued

(0.6); 4.1083 (0.5); 4.0952 (0.6); 4.0850 (0.5); 3.7861 (0.5); 3.7701 (0.5); 3.7591 (0.5); 3.7431 (0.6); 3.7377 (0.5); 3.7237 (0.7); 3.7093 (0.9); 3.6956 (0.7); 3.6815 (0.6); 3.6760 (0.5); 3.6599 (0.4); 3.6488 (0.4); 3.6329 (0.4); 2.4079 (16.0); 2.3649 (0.4); 2.3137 (13.8); 2.1909 (0.4); 2.1732 (0.8); 2.1622 (0.8); 2.1449 (1.5); 2.1276 (0.9); 2.1166 (0.8); 2.0994 (0.5); 2.0836 (3.4); 1.5999 (7.9); 1.3218 (1.0); 1.2979 (2.3); 1.2742 (0.9); 1.1100 (1.0); 1.0946 (2.8); 1.0879 (3.0); 1.0731 (1.6); 1.0661 (3.0); 1.0595 (2.8); 1.0449 (1.3); 0.8492 (1.4); 0.8340 (3.4); 0.8282 (3.3); 0.8171 (3.0); 0.8114 (3.6); 0.7951 (1.0); 0.1096 (0.4); 0.0500 (0.4); 0.0391 (12.6); 0.0281 (0.5)

I-763: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5752 (1.4); 7.5559 (3.8); 7.5528 (3.8); 7.5364 (0.3); 7.5054 (1.8); 7.4546 (0.8); 7.4441 (1.1); 7.4370 (0.9); 7.4242 (0.7); 7.4163 (0.4); 7.3166 (1.4); 7.2988 (4.2); 7.2890 (1.7); 7.0637 (1.3); 7.0400 (3.4); 6.6516 (0.5); 6.6318 (0.7); 6.6126 (0.5); 5.9825 (0.4); 5.9728 (0.5); 5.9552 (0.5); 5.9454 (0.4); 5.8239 (0.4); 5.8141 (0.5); 5.7965 (0.5); 5.7868 (0.4); 4.1807 (0.3); 4.1707 (0.3); 4.1568 (0.3); 4.1468 (0.3); 4.0811 (0.3); 4.0572 (0.3); 3.7291 (0.4); 3.7248 (0.3); 3.7126 (0.4); 3.7083 (0.3); 3.6965 (0.6); 3.6851 (0.4); 3.6807 (0.3); 3.6684 (0.4); 3.6642 (0.3); 2.4463 (16.0); 2.3960 (9.6); 2.3401 (8.4); 2.0768 (0.5); 1.6204 (2.3); 1.2944 (1.3); 0.0394 (4.3)

I-764: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.2521 (1.3); 9.2370 (2.4); 9.2220 (1.2); 8.0951 (0.4); 8.0066 (12.0); 7.9595 (0.8); 7.7079 (0.6); 7.5238 (1.4); 7.5060 (2.4); 7.4879 (1.5); 7.4684 (1.1); 7.4486 (2.2); 7.4310 (1.6); 7.3706 (2.4); 7.3511 (3.1); 7.3318 (4.6); 7.3120 (3.8); 7.1440 (0.3); 7.0766 (4.4); 6.9463 (2.3); 6.9275 (2.1); 4.1322 (1.3); 4.1178 (1.3); 4.0954 (2.7); 4.0804 (2.6); 4.0581 (1.4); 4.0437 (1.3); 3.3137 (694.9); 3.2909 (3.0); 3.2711 (0.8); 3.2622 (0.6); 2.8976 (5.6); 2.7384 (4.8); 2.6767 (0.3); 2.5119 (43.9); 2.5075 (57.3); 2.5032 (42.2); 2.4275 (11.8); 2.3298 (0.5); 2.3113 (0.9); 2.2725 (0.9); 2.2451 (0.3); 2.2011 (16.0); 2.1801 (0.9); 1.4887 (0.9); 1.4696 (3.1); 1.4531 (1.2); 1.4415 (1.0); 1.4220 (3.0); 1.4056 (1.2); 1.2012 (1.2); 1.1804 (3.8); 1.1624 (3.9); 1.1413 (0.9)

I-765: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.1683 (1.6); 9.1540 (3.1); 9.1385 (1.5); 8.0934 (15.9); 7.9592 (2.4); 7.6457 (5.3); 7.5793 (5.3); 7.5583 (6.5); 7.5241 (1.5); 7.5049 (2.8); 7.4888 (2.9); 7.4724 (3.0); 7.4541 (1.9); 7.4032 (3.8); 7.3981 (3.7); 7.3822 (3.3); 7.3769 (3.4); 7.3713 (3.0); 7.3512 (3.6); 7.3312 (1.5); 6.0759 (1.1); 6.0646 (1.7); 6.0510 (1.1); 5.9603 (1.0); 5.9498 (1.7); 5.9354 (1.2); 3.9368 (0.4); 3.9153 (1.0); 3.8995 (2.6); 3.8854 (2.3); 3.8747 (1.3); 3.8590 (1.2); 3.8429 (2.2); 3.8287 (2.1); 3.8149 (1.0); 3.8038 (0.4); 3.7937 (0.3); 3.4380 (0.6); 3.3514 (3.6); 3.3133 (786.0); 3.2693 (0.7); 2.8976 (16.0); 2.7386 (13.7); 2.6762 (0.4); 2.5120 (48.7); 2.5075 (64.1); 2.5031 (46.6); 2.3344 (0.4); 2.3293 (0.3); 1.4865 (1.1); 1.4678 (3.7); 1.4511 (1.5); 1.4405 (1.2); 1.4201 (3.8); 1.4044 (1.5); 1.2048 (1.5); 1.1839 (4.6); 1.1663 (4.7); 1.1452 (1.0)

I-766: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
6=9.3715 (0.7); 9.3555 (1.5); 9.3401 (0.7); 7.9591 (1.3); 7.5044 (0.7); 7.4861 (1.2); 7.4699 (0.8); 7.4093 (0.6); 7.3894 (1.3); 7.3720 (1.0); 7.3443 (2.5); 7.3244 (2.7); 7.3098 (0.6); 7.0999 (2.6); 6.9864 (1.4); 6.9672 (1.2); 4.1728 (0.7); 4.1575 (0.7); 4.1355 (1.4); 4.1199 (1.4); 4.0977 (0.8); 4.0823 (0.7); 3.3562 (0.7); 3.3152 (168.3); 3.2777 (0.4); 2.8974 (8.8); 2.7385 (7.6); 2.5120 (10.0); 2.5075 (13.1); 2.5032 (9.7); 2.4443 (6.9); 2.4126 (0.6); 2.2283 (10.9); 2.2217 (16.0); 1.4811 (0.5); 1.4613 (1.8); 1.4449 (0.7); 1.4341 (0.6); 1.4140 (1.8); 1.3983 (0.7); 1.3615 (0.7); 1.3459 (0.7); 1.1944 (0.7); 1.1739 (2.2); 1.1560 (2.2); 1.1347 (0.5)

I-767: ^{1}H-NMR(300.2 MHz, CDCl3):
6= 8.1663 (1.0); 8.1591 (5.6); 7.9894 (0.4); 7.9719 (0.7); 7.9534 (0.4); 7.6621 (0.5); 7.6512 (1.5); 7.6427 (1.5); 7.6321 (3.7); 7.6291 (3.4); 7.6109 (0.8); 7.5828 (0.4); 7.5169 (0.3); 7.4962 (1.9); 7.4687 (0.7); 7.4584 (1.1); 7.4511 (0.8); 7.4380 (0.8); 7.4303 (0.4); 7.3655 (1.7); 7.3389 (1.9); 7.2987 (8.8); 7.0669 (1.8); 6.9767 (1.0); 6.9496 (0.9); 4.3018 (0.9); 4.2820 (0.9); 4.2538 (2.0); 4.2341 (1.9); 4.2059 (1.0); 4.1861 (1.0); 2.6899 (16.0); 2.5152 (3.1); 2.5085 (5.6); 2.5012 (3.1); 2.3133 (7.6); 2.0443 (1.2); 1.5964 (1.9); 0.1088 (0.7); 0.0492 (0.4); 0.0385 (10.7); 0.0276 (0.3)

I-768: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.1186 (10.4); 7.9810 (0.9); 7.9631 (1.6); 7.9447 (0.9); 7.8975 (0.9); 7.6767 (0.5); 7.6502 (2.8); 7.6300 (7.7); 7.5591 (0.4); 7.4957 (3.9); 7.4685 (1.7); 7.4591 (2.5); 7.4517 (1.7); 7.4380 (1.7); 7.4310 (1.0); 7.3628 (3.4); 7.3362 (3.9); 7.2987 (12.0); 7.0659 (4.0); 6.9746 (2.2); 6.9482 (2.0); 4.2980 (1.8); 4.2784 (1.8); 4.2501 (3.9); 4.2304 (3.8); 4.2022 (2.0); 4.1824 (1.9); 3.4596 (0.7); 3.4360 (1.0); 3.4127 (0.8); 3.3472 (2.3); 3.3227 (7.1); 3.2982 (7.2); 3.2738 (2.4); 2.5068 (11.8); 2.3127 (16.0); 1.7694 (1.0); 1.5286 (0.7); 1.5045 (1.8); 1.4809 (1.8); 1.4562 (1.1); 1.4448 (7.7); 1.4204 (15.6); 1.3959 (7.2); 1.2927 (0.9); 0.1084 (1.8); 0.0378 (14.0); 0.0271 (0.6)

I-769: ^{1}H-NMR(499.9 MHz, d_6-DMSO):
δ = 11.2190 (2.6); 9.1755 (1.2); 9.1630 (2.6); 9.1504 (1.3); 7.8885 (12.4); 7.4595 (3.9); 7.4421 (4.2); 7.4328 (2.9); 7.4273 (4.6); 7.4218 (3.0); 7.3558 (4.5); 7.3512 (5.0); 7.3473 (4.2); 7.3312 (4.2); 7.0871 (4.3); 6.9784 (2.2); 6.9624 (2.1); 6.9489 (3.0); 6.9443 (3.1); 6.9315 (2.8); 6.9269 (2.9); 6.4687 (2.3); 6.4647 (3.6); 6.4604 (2.5); 4.1247 (1.1); 4.1123 (1.1); 4.0951 (2.6); 4.0825 (2.6); 4.0652 (1.3); 4.0547 (1.5); 4.0408 (2.0); 4.0266 (2.0); 4.0123 (0.7); 3.3237 (8.5); 2.5118 (1.8); 2.5082 (3.8); 2.5046 (5.2); 2.5010 (3.9); 2.4975 (1.9); 2.4278 (11.0); 2.3566 (0.6); 2.3525 (0.4); 2.2873 (0.8); 2.2708 (0.4); 2.2292 (16.0); 2.1853 (0.4); 1.9923 (8.2); 1.2479 (0.7); 1.1928 (2.2); 1.1785 (4.4); 1.1643 (2.2); 0.8755 (0.4); 0.8618 (1.3); 0.8476 (0.6)

I-770: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.3022 (16.0); 8.0327 (1.0); 8.0149 (1.7); 7.9965 (1.0); 7.5895 (6.1); 7.5398 (0.3); 7.5328 (1.0); 7.5284 (1.0); 7.5103 (9.4); 7.5029 (4.2); 7.4865 (5.7); 7.4609 (1.6); 7.4246 (1.5); 7.4190 (1.2); 7.3967 (6.3); 7.3912 (6.6); 7.3804 (12.5); 7.3691 (4.0); 7.3529 (2.0); 7.2988 (14.3); 7.2635 (2.3); 7.2558 (3.7); 7.2475 (1.9); 7.2397 (2.0); 7.2323 (3.4); 7.2244 (1.7); 6.1186 (1.3); 6.1080 (1.4); 6.0954 (1.4); 6.0847 (1.3); 5.9635 (1.3); 5.9528 (1.4); 5.9402 (1.4); 5.9295 (1.3); 4.3426 (0.7); 4.3318 (0.7); 4.3204 (0.7); 4.3095 (0.7); 4.2939 (0.9); 4.2831 (0.9); 4.2716 (0.9); 4.2608 (0.9); 4.2541 (0.8); 4.2432 (0.7); 4.2318 (0.8); 4.2209 (0.7); 4.2052 (0.9); 4.1944 (0.9); 4.1830 (0.9); 4.1721 (0.8); 3.9048 (0.9); 3.8876 (0.9); 3.8814 (0.9); 3.8643 (1.0); 3.8560 (0.8); 3.8387 (0.8); 3.8328 (1.7); 3.8157 (1.6); 3.8097 (1.0); 3.7925 (0.9); 3.7842 (0.8); 3.7670 (0.8); 3.7608 (0.7); 3.7437 (0.6); 3.1928 (13.9); 2.0436 (5.4); 1.6251 (1.0); 0.0477 (0.6); 0.0369 (17.8); 0.0258 (0.6)

I-771: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.8161 (9.5); 7.8647 (1.0); 7.8514 (1.7); 7.8377 (1.0); 7.6812 (0.4); 7.6607 (3.3); 7.6534 (3.0); 7.6469 (7.3); 7.5220 (3.7); 7.4871 (0.4); 7.4761 (1.4); 7.4672 (1.9); 7.4621 (1.8); 7.4535 (1.6); 7.4475 (1.1); 7.3423 (3.4); 7.3223 (3.8); 7.2640 (5.5); 7.0448 (4.1); 6.9504 (2.2); 6.9304 (2.1); 5.3003 (4.8);

TABLE 2-continued

4.2941 (1.0); 4.2792 (1.0); 4.2685 (0.8); 4.2580 (1.6); 4.2434 (1.5); 4.2316 (1.5); 4.2173 (1.6); 4.2063 (0.9); 4.1955 (1.2); 4.1809 (1.1); 3.3074 (0.4); 3.2888 (1.3); 3.2705 (1.6); 3.2547 (2.0); 3.2363 (1.9); 3.2179 (0.6); 3.0999 (0.5); 3.0815 (1.8); 3.0632 (2.1); 3.0473 (1.7); 3.0291 (1.4); 3.0108 (0.5); 2.4800 (11.5); 2.2846 (16.0); 1.6294 (6.7); 1.2720 (6.5); 1.2536 (14.7); 1.2351 (6.5); 0.0723 (0.8); −0.0002 (6.4)

I-772: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 9.8529 (0.6); 9.8259 (0.6); 8.1621 (5.4); 7.5911 (0.8); 7.5716 (2.3); 7.5611 (1.8); 7.5415 (1.9); 7.5219 (0.7); 7.2763 (3.1); 7.2613 (2.5); 7.2527 (1.7); 7.2487 (1.6); 7.2254 (1.4); 7.1906 (1.2); 7.1712 (1.2); 7.1167 (2.1); 7.0975 (2.2); 6.8899 (2.7); 6.4403 (1.4); 6.4213 (1.3); 6.0176 (1.8); 5.9945 (1.8); 2.7211 (16.0); 2.6921 (0.8); 2.6760 (0.6); 2.2888 (0.4); 2.2759 (0.6); 2.2552 (0.8); 2.2173 (12.8); 2.1294 (0.5); 2.0565 (0.6); 2.0417 (12.0); 1.9411 (0.5); 1.6328 (0.8); −0.0002 (2.9)

I-773: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.3199 (1.6); 7.2984 (3.4); 7.1237 (0.4); 7.1058 (2.5); 7.0991 (2.0); 7.0967 (2.0); 7.0933 (1.8); 7.0806 (3.5); 7.0658 (0.4); 7.0517 (1.4); 7.0242 (3.5); 6.8437 (0.7); 6.8348 (0.6); 6.8216 (1.2); 6.8102 (0.9); 6.8035 (0.6); 6.7898 (0.5); 6.6951 (0.5); 6.6759 (0.8); 6.6564 (0.5); 5.9806 (0.4); 5.9706 (0.5); 5.9536 (0.5); 5.9435 (0.5); 5.8222 (0.4); 5.8122 (0.5); 5.7952 (0.5); 5.7851 (0.5); 5.3341 (0.4); 4.1631 (0.4); 4.1587 (0.4); 4.1481 (0.4); 4.1394 (0.4); 4.1352 (0.4); 4.1244 (0.3); 4.0599 (0.4); 4.0495 (0.3); 4.0363 (0.3); 3.7717 (0.3); 3.7616 (0.3); 3.7444 (0.4); 3.7404 (0.4); 3.7284 (0.4); 3.7234 (0.3); 3.7121 (0.6); 3.7012 (0.4); 3.6962 (0.4); 3.6842 (0.4); 3.6801 (0.4); 2.4573 (16.0); 2.3990 (10.1); 2.3306 (8.7); 2.1238 (0.6); 2.1129 (0.6); 2.0956 (1.0); 2.0782 (2.2); 2.0673 (0.6); 1.6567 (0.8); 1.3183 (0.4); 1.2945 (1.2); 1.2707 (0.4); 1.0632 (0.7); 1.0478 (1.8); 1.0411 (2.0); 1.0264 (1.1); 1.0193 (1.9); 1.0128 (1.8); 0.9982 (0.9); 0.8059 (0.9); 0.7908 (2.2); 0.7852 (2.2); 0.7739 (2.0); 0.7684 (2.3); 0.7519 (0.7); 0.0394 (2.2)

I-774: ^{1}H-NMR(300.2 MHz, CDCl3):
δ =7.5712 (1.5); 7.5521 (3.9); 7.5494 (3.8); 7.4754 (1.8); 7.4363 (0.8); 7.4253 (1.1); 7.4181 (1.0); 7.4056 (0.8); 7.3956 (2.1); 7.3685 (2.0); 7.2985 (11.4); 7.0955 (2.0); 7.0198 (1.1); 6.9930 (1.0); 6.3840 (0.5); 6.3634 (0.9); 6.3427 (0.5); 4.2907 (1.0); 4.2699 (0.9); 4.2420 (2.0); 4.2211 (1.9); 4.1933 (1.0); 4.1722 (1.0); 2.5303 (6.0); 2.4099 (16.0); 2.3373 (8.2); 2.0806 (0.3); 1.5896 (14.8); 1.2953 (0.4); 0.0485 (0.4); 0.0378 (13.7); 0.0269 (0.5)

I-775: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.0176 (2.7); 7.6071 (0.8); 7.3360 (1.9); 7.3161 (2.2); 7.2632 (15.1); 7.0530 (0.5); 7.0325 (1.9); 7.0235 (1.3); 7.0154 (3.9); 7.0029 (3.8); 6.9874 (0.6); 6.9142 (1.3); 6.8949 (1.2); 6.7628 (0.6); 6.7544 (0.7); 6.7464 (1.2); 6.7404 (1.1); 6.7272 (0.7); 6.7228 (0.7); 4.1908 (0.9); 4.1756 (0.9); 4.1548 (2.0); 4.1397 (2.0); 4.1186 (1.0); 4.1036 (1.0); 3.1055 (6.7); 3.0917 (6.8); 2.9587 (16.0); 2.8855 (15.0); 2.6415 (13.2); 2.4683 (6.7); 2.2674 (9.4); 2.1015 (0.5); 2.0933 (0.6); 2.0804 (1.1); 2.0673 (0.7); 2.0592 (0.6); 2.0459 (0.4); 1.6031 (3.9); 1.0176 (0.6); 1.0058 (1.9); 1.0011 (2.1); 0.9899 (1.1); 0.9846 (2.1); 0.9800 (2.0); 0.9690 (0.9); 0.7674 (0.8); 0.7556 (2.4); 0.7523 (2.4); 0.7431 (2.3); 0.7393 (2.6); 0.7271 (0.8); −0.0002 (1.4)

I-776: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.4875 (0.6); 8.0183 (2.9); 7.7654 (1.1); 7.4201 (2.4); 7.3991 (2.8); 7.3703 (3.4); 7.2635 (15.2); 7.1796 (1.9); 7.1585 (1.7); 7.0752 (0.4); 7.0541 (3.2); 7.0400 (4.1); 7.0168 (0.6); 6.7797 (0.8); 6.7664 (1.4); 6.7567 (1.5); 6.7448 (0.9); 6.0433 (0.6); 6.0348 (0.7); 6.0281 (0.7); 6.0204 (0.7); 5.9274 (0.6); 5.9193 (0.7); 5.9127 (0.8); 5.9041 (0.7); 4.1452 (0.3); 4.1247 (0.4); 4.1164 (0.4); 4.1089 (0.4); 4.1007 (0.7); 4.0913 (0.4); 4.0845 (0.4); 4.0765 (0.4); 4.0637 (0.4); 4.0549 (0.4); 4.0479 (0.4); 4.0403 (0.4); 3.8779 (0.3); 3.8630 (0.6); 3.8480 (0.4); 3.8258 (0.6); 3.8176 (0.5); 3.8034 (0.7); 3.7888 (0.4); 3.7823 (0.4); 3.7667 (0.6); 3.7524 (0.3); 3.1731 (0.4); 3.1568 (7.8); 3.1432 (7.8); 2.9594 (16.0); 2.8862 (15.8); 2.6783 (15.2); 2.3820 (0.7); 2.1091 (0.6); 2.0999 (0.8); 2.0882 (1.3); 2.0764 (0.9); 2.0673 (0.8); 2.0542 (0.4); 1.6002 (9.3); 1.0240 (0.7); 1.0077 (2.7); 0.9899 (2.8); 0.9763 (1.1); 0.7743 (0.8); 0.7612 (3.4); 0.7479 (3.4); 0.7344 (1.0); −0.0002 (1.4)

I-777: ^{1}H-NMR(400.1 MHz, CDCl3):
δ =7.9912 (1.0); 7.5633 (0.4); 7.5435 (1.6); 7.5275 (4.4); 7.4064 (2.2); 7.3526 (0.8); 7.3460 (1.3); 7.3404 (1.0); 7.3299 (1.1); 7.2627 (14.3); 6.7145 (3.8); 6.1414 (0.9); 6.1291 (0.6); 3.7943 (1.0); 3.7782 (2.8); 3.7626 (2.9); 3.7466 (1.3); 2.9530 (6.8); 2.8728 (6.6); 2.8666 (2.4); 2.8494 (3.6); 2.8329 (1.9); 2.4125 (16.0); 2.3530 (0.4); 2.3324 (0.8); 2.2914 (12.0); 2.2430 (0.4); 2.1709 (0.4); 2.0445 (12.0); 1.9211 (0.4); 1.5877 (5.0); −0.0002 (1.3)

I-778: ^{1}H-NMR(400.1 MHz, CDCl3):
δ =8.0101 (0.7); 7.5649 (0.6); 7.5459 (1.7); 7.5263 (4.1); 7.4948 (2.9); 7.4585 (1.9); 7.4392 (1.3); 7.4158 (0.4); 7.4120 (0.3); 7.2950 (0.4); 7.2622 (54.2); 6.9981 (0.4); 6.4333 (3.3); 6.2549 (1.0); 6.2337 (1.1); 5.4260 (0.9); 5.4059 (0.9); 5.3951 (0.5); 2.9569 (3.7); 2.8816 (3.5); 2.6060 (0.4); 2.5936 (0.7); 2.5788 (1.8); 2.5615 (1.6); 2.5445 (0.9); 2.5118 (16.0); 2.4611 (0.3); 2.4465 (0.8); 2.4350 (0.4); 2.4248 (0.4); 2.3949 (11.5); 2.3119 (0.7); 2.2632 (0.4); 2.2197 (1.4); 2.1960 (0.7); 2.1742 (0.7); 1.9898 (0.4); 1.9648 (0.7); 1.9559 (0.8); 1.9387 (0.6); 1.9251 (0.7); 1.9029 (0.5); 1.8904 (0.6); 1.8574 (1.1); 1.8438 (1.1); 1.8341 (0.9); 1.8043 (0.5); 1.5776 (15.0); 1.4424 (0.6); 1.4272 (0.6); 1.3946 (0.4); 1.3661 (0.4); 1.3530 (0.4); 1.3258 (0.4); 1.2552 (1.1); 1.2069 (0.4); 1.1860 (0.4); 0.8554 (0.5); −0.0002 (5.0)

I-779: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.0107 (1.3); 7.3695 (1.6); 7.3495 (1.8); 7.2629 (11.7); 7.0596 (0.4); 7.0355 (4.5); 7.0218 (2.5); 7.0009 (0.5); 6.9705 (1.2); 6.9504 (1.0); 6.7601 (0.6); 6.7549 (0.7); 6.7433 (1.0); 6.7321 (0.9); 6.7203 (0.5); 6.5594 (0.5); 6.5445 (0.9); 6.5292 (0.5); 4.2517 (0.7); 4.2359 (0.8); 4.2147 (1.6); 4.1989 (1.6); 4.1776 (0.9); 4.1618 (0.8); 3.9620 (13.0); 2.9563 (8.2); 2.8818 (7.8); 2.4837 (16.0); 2.2972 (7.8); 2.0776 (0.5); 2.0691 (0.5); 2.0565 (1.0); 2.0438 (0.6); 2.0354 (0.6); 1.5979 (1.6); 1.0045 (0.5); 0.9926 (1.6); 0.9880 (1.8); 0.9767 (1.1); 0.9715 (1.8); 0.9669 (1.8); 0.9559 (0.8); 0.7536 (0.7); 0.7417 (2.1); 0.7384 (2.1); 0.7293 (2.0); 0.7254 (2.3); 0.7133 (0.8); −0.0002 (1.1)

I-780: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.2823 (11.9); 7.9799 (0.8); 7.9613 (1.3); 7.9441 (0.8); 7.5394 (1.0); 7.5299 (1.1); 7.5176 (2.2); 7.5062 (2.0); 7.4991 (1.1); 7.4856 (1.3); 7.3800 (3.5); 7.3534 (4.0); 7.2989 (14.1); 7.2811 (0.7); 7.2627 (4.7); 7.2562 (3.8); 7.2504 (3.4); 7.2377 (6.1); 7.2231 (0.4); 7.2129 (0.4); 7.0600 (3.8); 6.9707 (2.1); 6.9426 (3.7); 6.9051 (2.2); 6.8834 (2.2); 6.8460 (2.3); 5.9512 (3.7); 5.9490 (3.8); 5.8922 (3.4); 5.8899 (3.4); 5.5278 (3.8); 5.5257 (3.7); 5.4904 (3.5); 5.4883 (3.6); 5.3376 (5.5); 4.3051 (2.0); 4.2851 (2.0); 4.2576 (4.3); 4.2377 (4.1); 4.2101 (2.1); 4.1902 (2.1); 2.5170 (6.2); 2.5100 (11.7); 2.5026 (6.5); 2.3270 (0.3); 2.3008 (16.0); 1.5938 (8.4); 1.2946 (1.1); 0.0497 (0.6); 0.0388 (17.3); 0.0279 (0.6)

TABLE 2-continued

I-781: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.9200 (5.7); 7.8814 (0.4); 7.8632 (0.7); 7.8449 (0.4); 7.7006 (1.9); 7.6954 (1.4); 7.6833 (3.6); 7.5528 (1.6); 7.5127 (0.7); 7.5042 (0.6); 7.4988 (1.0); 7.4926 (0.9); 7.4826 (0.6); 7.4742 (0.4); 7.3813 (1.7); 7.3547 (1.9); 7.2987 (10.3); 7.0813 (1.9); 6.9924 (1.0); 6.9663 (0.9); 4.3465 (0.6); 4.3265 (0.9); 4.3067 (0.5); 4.2982 (1.0); 4.2781 (1.8); 4.2583 (0.9); 4.2498 (0.5); 4.2296 (1.0); 4.2100 (0.6); 3.0111 (16.0); 2.5168 (5.6); 2.5096 (3.1); 2.3229 (7.7); 2.0447 (1.5); 1.6133 (11.2); 1.2905 (0.6); 0.1068 (0.6); 0.0475 (0.4); 0.0366 (10.3); 0.0256 (0.3)
I-782: ^{1}H-NMR(499.9 MHz, d_6-DMSO):
δ = 9.3240 (0.3); 9.2647 (5.0); 8.0375 (0.3); 7.5370 (14.7); 7.4703 (0.7); 7.4340 (10.8); 7.4172 (13.7); 7.3196 (9.4); 7.3166 (8.8); 7.3028 (7.1); 7.2998 (6.5); 7.0686 (0.4); 7.0510 (0.4); 7.0342 (0.4); 6.9628 (4.0); 6.9469 (9.0); 6.9310 (6.7); 6.9008 (5.8); 6.8865 (7.8); 6.8713 (3.5); 6.7276 (4.8); 6.7144 (7.7); 6.7006 (4.1); 5.7828 (3.1); 5.6890 (3.1); 5.6570 (0.4); 4.2011 (0.4); 3.9929 (0.3); 3.9603 (0.3); 3.9395 (0.4); 3.9304 (0.4); 3.9260 (0.4); 3.9127 (0.4); 3.9062 (0.4); 3.8959 (0.3); 3.8738 (0.3); 3.8021 (0.4); 3.7884 (0.5); 3.7560 (0.5); 3.7429 (0.5); 3.6915 (1.8); 3.6821 (1.7); 3.6633 (3.0); 3.6539 (2.6); 3.6398 (2.0); 3.6119 (4.2); 3.6024 (4.5); 3.5890 (2.7); 3.5725 (3.2); 3.5602 (3.6); 3.5468 (2.4); 3.5311 (1.7); 3.5190 (1.1); 3.4776 (0.4); 2.4048 (24.4); 2.0027 (1.6); 1.9922 (3.5); 1.9856 (4.3); 1.9759 (6.5); 1.9659 (4.6); 1.9594 (3.9); 1.9490 (2.1); 1.8916 (0.4); 1.2596 (0.8); 1.2491 (0.6); 1.2351 (0.4); 1.1371 (1.2); 1.0852 (0.4); 1.0778 (0.4); 0.9353 (4.6); 0.9264 (12.6); 0.9227 (13.5); 0.9099 (13.3); 0.9061 (13.0); 0.8980 (5.6); 0.8682 (0.7); 0.7559 (0.4); 0.7407 (0.4); 0.7019 (0.6); 0.6716 (5.7); 0.6603 (16.0); 0.6531 (15.6); 0.6504 (15.3); 0.6411 (5.3); −0.0002 (0.9); −0.0339 (0.4); −0.0836 (0.4)
I-783: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.4531 (2.0); 7.4251 (2.6); 7.4093 (2.5); 7.2986 (2.5); 7.2307 (1.6); 7.2242 (1.5); 7.2029 (1.3); 7.1963 (1.2); 7.0901 (3.0); 7.0742 (2.2); 7.0708 (2.2); 7.0655 (2.8); 7.0475 (0.4); 6.9136 (0.8); 6.8305 (0.7); 6.8182 (0.7); 6.8095 (1.1); 6.7986 (1.1); 6.7868 (0.7); 6.7768 (0.6); 6.0668 (0.5); 6.0569 (0.5); 6.0437 (0.6); 6.0338 (0.5); 5.9118 (0.5); 5.9018 (0.5); 5.8887 (0.6); 5.8786 (0.5); 4.1695 (0.3); 4.1593 (0.4); 4.1483 (0.4); 4.1231 (16.0); 4.0802 (0.4); 4.0701 (0.4); 4.0590 (0.4); 4.0490 (0.3); 3.9182 (0.5); 3.8959 (0.4); 3.8666 (0.6); 3.8461 (0.6); 3.8227 (0.4); 3.8176 (0.3); 3.7938 (0.4); 2.1184 (0.5); 2.1074 (0.6); 2.0903 (1.1); 2.0731 (0.7); 2.0621 (0.6); 2.0447 (0.3); 1.2912 (0.4); 1.0589 (0.7); 1.0433 (2.0); 1.0367 (2.2); 1.0219 (1.3); 1.0149 (2.1); 1.0086 (2.0); 0.9939 (0.9); 0.8990 (0.3); 0.8779 (0.4); 0.7973 (0.9); 0.7820 (2.4); 0.7770 (2.3); 0.7654 (2.2); 0.7599 (2.5); 0.7435 (0.7); 0.0358 (1.7)
I-784: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.3722 (0.8); 7.3651 (1.1); 7.3601 (1.9); 7.3507 (0.9); 7.3462 (1.1); 7.3401 (1.5); 7.3334 (2.2); 7.3278 (1.1); 7.3180 (0.9); 7.2989 (1.2); 7.2187 (0.4); 7.2121 (0.5); 7.1912 (1.6); 7.1846 (1.1); 7.1727 (1.9); 7.1685 (2.8); 7.1638 (1.4); 7.1455 (1.3); 7.1414 (1.4); 7.1179 (0.4); 7.1141 (0.5); 7.0708 (1.9); 6.9777 (1.0); 6.9512 (0.9); 6.8647 (0.5); 6.8439 (1.0); 6.8233 (0.5); 5.3307 (0.4); 4.2481 (0.8); 4.2270 (0.8); 4.1999 (1.7); 4.1788 (1.6); 4.1516 (0.9); 4.1306 (0.8); 3.1936 (0.6); 2.5119 (5.6); 2.3565 (0.5); 2.3323 (16.0); 2.3206 (8.1); 1.7043 (1.2); 1.3062 (0.3); 0.9208 (0.4); 0.0397 (1.2)
I-785: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 7.5516 (0.6); 7.5360 (2.3); 7.5217 (6.8); 7.5190 (3.6); 7.5101 (0.6); 7.5076 (0.7); 7.5030 (0.4); 7.4542 (0.4); 7.4469 (13.1); 7.4428 (3.7); 7.4246 (1.4); 7.4199 (2.3); 7.4156 (1.2); 7.4117 (0.9); 7.4100 (0.9); 7.4063 (1.5); 7.4018 (0.9); 7.3703 (3.4); 7.3544 (3.7); 7.2589 (18.4); 7.0649 (3.4); 6.9872 (1.6); 6.9713 (1.4); 4.7408 (2.8); 4.7385 (3.6); 4.7366 (3.6); 4.7344 (3.0); 4.6531 (0.9); 4.6254 (1.7); 4.5927 (4.6); 4.5885 (4.3); 2.5176 (0.4); 2.4899 (9.5); 2.4487 (0.4); 2.3274 (14.5); 2.3101 (0.6); 1.9308 (0.8); 1.9138 (0.6); 1.9127 (0.6); 1.8575 (16.0); 1.5410 (16.7); 1.2549 (0.4); 0.0700 (2.3); 0.0063 (0.7); −0.0002 (21.5); −0.0068 (0.9)
I-786: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.3819 (0.8); 7.3750 (1.2); 7.3698 (2.0); 7.3603 (1.0); 7.3558 (1.2); 7.3508 (1.4); 7.3494 (1.4); 7.3426 (2.2); 7.3369 (1.1); 7.3277 (1.0); 7.2987 (2.8); 7.2335 (0.4); 7.2269 (0.6); 7.2059 (1.6); 7.1994 (1.1); 7.1872 (1.8); 7.1817 (2.6); 7.1584 (1.3); 7.1542 (1.4); 7.1308 (0.4); 7.1267 (0.5); 6.9527 (2.0); 6.8656 (1.1); 6.8385 (1.0); 6.5955 (0.5); 6.5751 (0.9); 6.5545 (0.5); 5.3349 (0.6); 4.2666 (0.8); 4.2456 (0.8); 4.2185 (1.8); 4.1975 (1.7); 4.1703 (0.9); 4.1493 (0.8); 3.2140 (0.9); 2.5211 (5.8); 2.5146 (3.4); 2.4170 (0.4); 2.3614 (16.0); 2.0739 (0.3); 1.8925 (0.5); 1.8812 (0.6); 1.8647 (1.0); 1.8480 (0.6); 1.8368 (0.6); 1.6368 (1.9); 1.3035 (0.4); 1.2923 (0.4); 1.0492 (0.8); 1.0340 (1.9); 1.0271 (2.1); 1.0215 (1.1); 1.0122 (1.2); 1.0056 (2.0); 0.9991 (1.8); 0.9844 (0.9); 0.7344 (1.0); 0.7192 (2.3); 0.7132 (2.1); 0.7027 (1.9); 0.6969 (2.4); 0.6807 (0.7); 0.0383 (3.5)
I-787: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.2989 (1.0); 7.1167 (0.4); 7.0891 (1.8); 7.0807 (1.3); 7.0684 (3.5); 7.0598 (2.7); 7.0524 (1.5); 7.0341 (2.2); 7.0255 (0.4); 6.9805 (0.3); 6.9662 (1.8); 6.8670 (1.1); 6.8400 (1.4); 6.8277 (0.7); 6.8187 (1.0); 6.8096 (0.9); 6.7930 (0.6); 6.7860 (0.5); 6.5084 (0.4); 6.4891 (0.8); 6.4697 (0.4); 3.7706 (0.8); 3.7475 (2.2); 3.7271 (2.2); 3.7043 (0.9); 2.9552 (1.5); 2.9321 (2.9); 2.9089 (1.3); 2.4054 (16.0); 2.3229 (10.7); 2.2715 (9.7); 2.2374 (0.5); 2.1851 (0.4); 2.1100 (0.5); 2.0989 (0.5); 2.0816 (0.9); 2.0704 (0.3); 2.0643 (0.5); 2.0535 (0.5); 1.7234 (0.8); 1.0634 (0.7); 1.0481 (1.7); 1.0413 (1.8); 1.0353 (1.0); 1.0266 (1.0); 1.0195 (1.8); 1.0129 (1.6); 0.9984 (0.8); 0.8060 (0.9); 0.7911 (2.0); 0.7849 (2.0); 0.7740 (1.8); 0.7684 (2.1); 0.7520 (0.6); 0.0454 (1.1)
I-788: ^{1}H-NMR(300.2 MHz, CDCl3):
δ =7.5123 (1.0); 7.4832 (2.6); 7.4555 (2.3); 7.3851 (0.6); 7.3775 (0.8); 7.3631 (0.9); 7.3602 (1.0); 7.3521 (1.2); 7.3443 (0.7); 7.3308 (0.9); 7.2986 (4.3); 7.2119 (0.5); 7.1921 (1.6); 7.1783 (4.2); 7.1649 (1.4); 7.1580 (1.9); 7.1284 (0.4); 7.0142 (1.2); 6.9874 (1.1); 6.8087 (0.5); 6.7878 (1.0); 6.7668 (0.5); 5.3307 (2.0); 4.4551 (0.9); 4.4338 (0.8); 4.4076 (1.9); 4.3863 (1.8); 4.3602 (1.0); 4.3388 (0.9); 3.4191 (1.3); 3.3692 (2.6); 3.3192 (1.3); 2.3894 (4.8); 2.3647 (16.0); 2.3339 (8.7); 0.0349 (1.9)
I-789: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.4246 (1.8); 7.3965 (2.3); 7.3904 (0.9); 7.3817 (0.8); 7.3682 (1.0); 7.3661 (1.0); 7.3573 (1.0); 7.3523 (1.2); 7.3357 (0.9); 7.3004 (1.2); 7.2986 (2.2); 7.2640 (1.9); 7.2119 (0.4); 7.1929 (1.7); 7.1843 (3.0); 7.1822 (3.1); 7.1656 (2.2); 7.1633 (2.3); 7.1455 (1.2); 7.1176 (0.9); 6.7570 (0.5); 6.7361 (1.0); 6.7155 (0.5); 5.3340 (0.6); 4.2637 (0.9); 4.2425 (0.8); 4.2157 (1.8); 4.1944 (1.8); 4.1676 (0.9); 4.1464 (0.9); 3.2087 (0.4); 2.5513 (6.1); 2.3529 (16.0); 1.6470 (1.2); 1.3029 (0.9); 1.2946 (0.9); 0.9180 (1.0); 0.8949 (0.4); 0.0382 (1.3); 0.0364 (2.7)
I-790: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.3972 (1.1); 7.3884 (2.0); 7.3704 (2.8); 7.3619 (2.3); 7.3436 (2.0); 7.2992 (8.6); 7.2916 (1.5); 7.2877 (1.6); 7.2852 (1.7); 7.2817 (1.6); 7.2584 (1.0); 7.2550 (0.9); 7.2235 (1.5); 7.2165 (2.5); 7.2099

TABLE 2-continued

(1.4); 7.1314 (1.2); 7.1282 (1.4); 7.1241 (1.3); 7.1209 (1.2); 7.0970 (3.2); 7.0172 (1.2); 6.9914 (1.0); 6.4983 (0.5); 6.4776 (0.9); 6.4584 (0.5); 4.2780 (1.0); 4.2570 (0.9); 4.2294 (2.0); 4.2085 (2.0); 4.1809 (1.0); 4.1598 (1.0); 2.5290 (6.4); 2.3727 (16.0); 2.3468 (8.8); 2.3211 (0.5); 1.5923 (5.2); 1.3029 (0.7); 0.9205 (0.6); 0.1085 (0.3); 0.0494 (0.4); 0.0386 (10.9)

I-791: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.2936 (9.3); 7.9845 (1.2); 7.5459 (1.0); 7.5372 (1.2); 7.5232 (1.9); 7.5139 (1.5); 7.5089 (1.8); 7.4919 (1.2); 7.4689 (3.3); 7.4402 (4.8); 7.4316 (4.0); 7.4275 (3.1); 7.2995 (10.9); 7.2821 (2.5); 7.2718 (4.6); 7.2540 (7.0); 7.2288 (2.2); 7.2228 (2.1); 6.9442 (1.7); 6.9068 (1.8); 6.8851 (1.9); 6.8477 (2.0); 6.1449 (0.8); 6.1341 (0.9); 6.1227 (0.9); 6.1120 (0.9); 5.9902 (0.8); 5.9798 (0.9); 5.9682 (1.0); 5.9512 (3.9); 5.8921 (3.3); 5.5295 (3.6); 5.4921 (3.4); 5.3383 (16.0); 4.3361 (0.4); 4.3254 (0.5); 4.3145 (0.5); 4.3036 (0.5); 4.2873 (0.6); 4.2765 (0.6); 4.2656 (0.6); 4.2519 (0.7); 4.2400 (0.5); 4.2290 (0.5); 4.2180 (0.5); 4.2020 (0.6); 4.1913 (0.6); 4.1801 (0.6); 4.1694 (0.6); 3.9620 (0.6); 3.9402 (0.7); 3.9218 (0.6); 3.9132 (0.5); 3.8873 (0.8); 3.8689 (0.8); 3.8466 (0.6); 3.8381 (0.5); 3.8161 (0.6); 3.7976 (0.4); 1.5932 (6.1); 1.2929 (0.4); 0.1086 (0.5); 0.0490 (0.5); 0.0383 (13.2); 0.0276 (0.6)

I-792: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 9.1395 (0.6); 9.1197 (1.4); 9.1003 (0.6); 8.0795 (6.6); 7.9586 (1.4); 7.9328 (1.7); 7.8139 (1.7); 7.8073 (2.4); 7.8014 (1.7); 7.7579 (2.7); 7.7006 (1.3); 7.6740 (2.6); 7.6480 (1.6); 7.5650 (1.4); 7.5599 (1.3); 7.5575 (1.3); 7.5382 (0.9); 7.5330 (1.0); 7.5197 (0.4); 7.4912 (6.4); 6.0885 (0.4); 6.0710 (0.9); 6.0549 (0.5); 5.9345 (0.4); 5.9175 (1.0); 5.9013 (0.5); 5.7776 (1.7); 3.9326 (0.8); 3.9141 (1.2); 3.8957 (0.7); 3.8553 (0.8); 3.8370 (1.3); 3.8191 (0.7); 3.3423 (16.0); 2.6313 (15.8); 2.5340 (1.8); 2.5283 (3.9); 2.5224 (5.4); 2.5165 (4.0); 0.0200 (3.3)

I-793: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.0907 (0.5); 8.3097 (0.4); 7.7748 (2.3); 7.7262 (0.6); 7.7066 (0.5); 7.6815 (0.6); 7.6195 (0.8); 7.5626 (0.4); 7.3180 (0.7); 7.2980 (0.8); 7.0696 (0.7); 6.9361 (0.4); 6.9151 (0.4); 4.2476 (0.4); 4.1239 (0.4); 4.1133 (0.3); 4.1102 (0.4); 4.1031 (0.4); 4.0923 (0.6); 4.0771 (0.6); 4.0554 (0.4); 4.0401 (0.4); 3.3282 (88.3); 3.2411 (0.4); 2.6719 (0.4); 2.5423 (4.5); 2.5254 (1.0); 2.5207 (1.6); 2.5121 (22.8); 2.5076 (46.7); 2.5030 (61.5); 2.4984 (44.6); 2.4938 (21.7); 2.4197 (2.1); 2.3298 (0.4); 2.2199 (2.9); 2.0723 (1.4); 1.3907 (16.0); 1.3729 (1.0); −0.0002 (2.9)

I-794: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 10.8023 (0.3); 9.3200 (1.2); 9.3041 (2.2); 9.2891 (1.1); 9.0821 (9.2); 8.9856 (0.5); 8.3101 (10.8); 7.7368 (1.1); 7.7175 (2.9); 7.6976 (2.5); 7.6694 (3.1); 7.6486 (1.7); 7.6115 (0.6); 7.5719 (3.8); 7.5453 (2.3); 7.5263 (1.9); 7.3291 (3.6); 7.3089 (4.1); 7.2811 (0.5); 7.2742 (0.5); 7.2603 (0.5); 7.2518 (0.4); 7.1391 (0.5); 7.0996 (4.4); 6.9733 (2.1); 6.9527 (2.0); 5.8056 (0.5); 5.7869 (1.0); 5.7673 (0.5); 4.6146 (1.0); 4.5961 (1.6); 4.5773 (0.9); 4.4239 (0.4); 4.4150 (0.4); 4.2064 (0.4); 4.1799 (1.1); 4.1642 (1.3); 4.1420 (2.4); 4.1271 (2.5); 4.1064 (1.6); 4.0897 (1.5); 4.0572 (0.5); 4.0398 (1.2); 4.0272 (1.2); 4.0192 (2.1); 4.0064 (2.1); 3.9982 (1.4); 3.9861 (1.3); 3.8817 (0.8); 3.8551 (2.2); 3.8336 (3.3); 3.8151 (2.8); 3.7954 (0.9); 3.7813 (1.8); 3.7624 (3.4); 3.7416 (3.2); 3.7224 (1.8); 3.6998 (3.2); 3.6848 (3.2); 3.6785 (2.8); 3.6630 (2.7); 3.6465 (1.2); 3.6301 (1.1); 3.4562 (1.7); 3.3298 (3319.8); 3.2420 (0.6); 3.1478 (0.5); 3.1306 (1.1); 3.1093 (1.3); 3.0915 (1.0); 3.0750 (0.4); 2.7123 (0.7); 2.6808 (4.0); 2.6762 (8.4); 2.6717 (11.9); 2.6672 (8.8); 2.6628 (4.4); 2.6514 (0.6); 2.5420 (117.9); 2.5252 (36.7); 2.5205 (54.3); 2.5117 (693.4); 2.5073 (1414.5); 2.5028 (1866.6); 2.4982 (1375.8); 2.4938 (692.3); 2.4395 (11.8); 2.3674 (2.0); 2.3341 (8.2); 2.3296 (11.6); 2.3251 (8.8); 2.2890 (3.2); 2.2484 (16.0); 2.2204 (1.9); 2.2092 (1.6); 2.1994 (1.8); 2.1883 (1.1); 2.1795 (0.8); 2.1721 (1.9); 2.0724 (2.5); 2.0489 (0.6); 2.0313 (1.2); 2.0116 (1.3); 2.0001 (1.2); 1.9826 (1.0); 1.9626 (0.6); 1.9141 (0.4); 1.9019 (0.4); 1.5812 (0.4); 1.4675 (0.5); 1.4513 (0.5); 1.4421 (0.5); 1.4331 (0.4); 1.4199 (0.5); 1.4040 (0.5); 1.3821 (0.8); 1.3679 (0.6); 1.3425 (1.1); 1.2355 (0.7); 1.2008 (0.4); 1.1812 (0.6); 1.0572 (0.4); 0.0079 (1.4); −0.0002 (54.2); −0.0084 (2.1)

I-795: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.3286 (0.3); 9.1070 (1.2); 9.0915 (2.5); 9.0755 (1.2); 8.3106 (1.2); 7.8534 (12.3); 7.7438 (1.1); 7.7242 (3.3); 7.7045 (2.9); 7.6787 (3.3); 7.6584 (1.7); 7.6232 (4.0); 7.5911 (0.6); 7.5608 (2.3); 7.5421 (1.8); 7.3302 (0.6); 7.3151 (3.9); 7.2952 (4.2); 7.0977 (0.6); 7.0701 (4.1); 6.9187 (2.2); 6.8987 (2.0); 4.4380 (1.3); 4.1283 (1.3); 4.1124 (1.3); 4.0911 (2.8); 4.0752 (2.7); 4.0537 (1.4); 4.0379 (1.3); 3.5104 (0.4); 3.5017 (0.6); 3.4941 (0.6); 3.4887 (0.7); 3.4833 (0.4); 3.4472 (0.4); 3.4410 (0.7); 3.4360 (0.6); 3.4281 (0.7); 3.4197 (0.5); 3.3984 (0.4); 3.3895 (0.4); 3.3324 (402.1); 3.2823 (0.4); 3.2558 (1.8); 3.2513 (0.8); 3.2409 (0.8); 3.2371 (0.6); 3.2286 (0.7); 3.2186 (5.4); 3.2115 (0.8); 3.2025 (0.5); 3.1916 (3.2); 3.1726 (4.2); 3.1671 (2.8); 3.1523 (3.8); 2.8386 (0.6); 2.8240 (0.4); 2.8106 (2.0); 2.7960 (1.4); 2.7901 (2.0); 2.7867 (1.8); 2.7825 (2.2); 2.7710 (1.8); 2.7679 (1.8); 2.7620 (2.0); 2.7585 (1.6); 2.7547 (1.0); 2.7428 (1.7); 2.7337 (0.7); 2.7143 (0.6); 2.6808 (0.4); 2.6766 (0.9); 2.6720 (1.3); 2.6675 (1.0); 2.6630 (0.5); 2.5423 (8.9); 2.5255 (4.1); 2.5208 (6.1); 2.5121 (73.4); 2.5077 (149.9); 2.5031 (198.0); 2.4985 (144.0); 2.4939 (70.5); 2.4183 (11.6); 2.3391 (0.4); 2.3345 (0.9); 2.3299 (1.2); 2.3253 (0.9); 2.3208 (0.4); 2.2466 (2.2); 2.2195 (16.0); 2.0726 (1.2); −0.0002 (7.8)

I-796: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.0927 (0.5); 9.0771 (0.9); 9.0615 (0.4); 8.3098 (0.4); 7.7392 (0.5); 7.7196 (1.2); 7.6995 (1.2); 7.6940 (4.8); 7.6724 (1.2); 7.6532 (0.7); 7.6290 (1.5); 7.5626 (0.9); 7.5424 (0.7); 7.3104 (1.5); 7.2904 (1.7); 7.0687 (1.6); 6.9202 (0.8); 6.9008 (0.8); 4.1252 (0.5); 4.1091 (0.5); 4.0879 (1.1); 4.0722 (1.0); 4.0507 (0.5); 4.0353 (0.5); 3.7168 (1.6); 3.7009 (3.4); 3.6852 (1.6); 3.3315 (81.4); 3.2673 (0.7); 3.2637 (0.8); 3.2509 (0.6); 3.2426 (1.3); 3.2370 (16.0); 3.2106 (0.5); 3.1425 (1.4); 3.1268 (2.9); 3.1109 (1.3); 2.6722 (0.4); 2.5425 (12.1); 2.5256 (1.1); 2.5208 (1.6); 2.5121 (21.2); 2.5077 (42.8); 2.5032 (56.2); 2.4986 (41.2); 2.4941 (20.4); 2.4181 (4.5); 2.3298 (0.4); 2.2461 (0.5); 2.2221 (6.3); −0.0002 (2.7)

I-797: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 20.0078 (1.5); 9.0381 (2.2); 8.3104 (13.2); 7.7133 (2.7); 7.6941 (2.8); 7.6715 (3.1); 7.6338 (11.5); 7.6244 (4.0); 7.5575 (2.2); 7.5379 (1.8); 7.3466 (1.1); 7.3277 (4.9); 7.3114 (16.0); 7.2665 (4.6); 7.2463 (5.6); 7.0427 (4.0); 6.8704 (2.2); 6.8507 (2.0); 5.7858 (1.0); 4.5958 (1.7); 4.2538 (11.6); 4.0551 (2.7); 4.0400 (2.7); 3.3280 (3955.0); 3.2555 (3.8); 2.6761 (11.4); 2.6715 (15.6); 2.6670 (11.6); 2.5419 (48.2); 2.5250 (48.3); 2.5202 (72.0); 2.5116 (896.2); 2.5071 (1806.4); 2.5026 (2365.1); 2.4980 (1722.7); 2.4935 (848.8); 2.3883 (10.7); 2.3339 (10.6); 2.3294 (14.6); 2.3248 (10.9); 2.2868 (1.5); 2.2096 (14.8); 2.1642 (1.5); 2.0725 (2.6); 1.3424 (1.9); 1.2348 (2.5); 0.1392 (3.0); 0.0080 (4.1); −0.0002 (107.1); −0.0085 (3.1); −0.0242 (1.0)

TABLE 2-continued

I-798: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.0736 (1.1); 9.0580 (2.3); 9.0424 (1.1); 8.3108 (1.4); 7.7336 (1.0); 7.7140 (3.0); 7.6943 (2.6); 7.6667 (4.8); 7.6483 (1.6); 7.6101 (3.9); 7.5941 (10.3); 7.5501 (2.2); 7.5304 (1.7); 7.3083 (3.4); 7.2884 (3.7); 7.0685 (4.1); 6.9200 (2.2); 6.9002 (2.0); 5.7876 (0.5); 5.0531 (0.4); 5.0103 (0.4); 5.0030 (0.4); 4.9774 (0.3); 4.6152 (0.3); 4.5965 (0.6); 4.1203 (1.1); 4.1048 (1.2); 4.0834 (2.6); 4.0676 (2.5); 4.0463 (1.3); 4.0307 (1.2); 3.3304 (409.6); 3.2690 (0.4); 3.2128 (0.6); 3.2087 (0.3); 2.9930 (5.6); 2.9740 (6.3); 2.9120 (0.5); 2.8928 (0.7); 2.8737 (0.5); 2.7052 (0.6); 2.6857 (1.5); 2.6763 (1.3); 2.6717 (1.9); 2.6669 (3.1); 2.6472 (1.5); 2.6277 (0.6); 2.5421 (3.5); 2.5253 (4.6); 2.5205 (6.9); 2.5118 (94.2); 2.5074 (193.2); 2.5029 (256.5); 2.4983 (188.9); 2.4938 (94.8); 2.4153 (11.2); 2.3388 (0.6); 2.3342 (1.2); 2.3296 (1.7); 2.3252 (1.2); 2.3210 (0.6); 2.2477 (0.5); 2.2204 (16.0); 2.0831 (0.5); 2.0725 (0.5); 2.0650 (0.6); 2.0252 (0.6); 2.0070 (1.3); 1.9982 (1.4); 1.9912 (1.9); 1.9864 (1.8); 1.9786 (1.4); 1.9713 (1.7); 1.9560 (0.7); 1.9509 (0.7); 1.8721 (0.6); 1.8674 (0.5); 1.8475 (1.7); 1.8340 (2.6); 1.8272 (2.0); 1.8135 (2.3); 1.7985 (1.4); 1.7880 (0.6); 1.7696 (1.4); 1.7507 (1.9); 1.7465 (2.0); 1.7219 (2.2); 1.7017 (1.5); 0.0080 (0.4); −0.0002 (12.3); −0.0084 (0.5)

I-799: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.8991 (1.3); 7.8895 (1.3); 7.6259 (0.4); 7.5999 (1.8); 7.5804 (4.5); 7.5778 (4.7); 7.4799 (2.4); 7.4578 (0.4); 7.4408 (1.0); 7.4312 (1.5); 7.4240 (1.2); 7.4081 (2.9); 7.3811 (2.4); 7.2996 (6.6); 7.0921 (2.6); 7.0128 (1.4); 6.9864 (1.3); 6.5109 (0.6); 6.4898 (1.3); 6.4698 (0.7); 4.3155 (1.0); 4.2946 (1.0); 4.2670 (2.1); 4.2462 (2.1); 4.2186 (1.1); 4.1977 (1.1); 2.9496 (0.5); 2.9371 (0.8); 2.9256 (1.2); 2.9131 (1.2); 2.9012 (0.8); 2.8892 (0.6); 2.6912 (16.0); 2.6624 (0.4); 2.5379 (7.5); 2.3590 (0.5); 2.3225 (9.9); 2.2380 (0.4); 1.6269 (5.2); 1.2918 (3.2); 0.9169 (1.1); 0.8934 (3.2); 0.8747 (2.9); 0.8702 (2.7); 0.8516 (1.1); 0.6436 (0.9); 0.6266 (2.4); 0.6199 (2.5); 0.6139 (2.4); 0.6098 (2.3); 0.5902 (0.7); 0.1079 (5.5); 0.0371 (7.0)

I-800: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 9.2572 (1.0); 7.7910 (0.6); 7.7636 (0.8); 7.7475 (0.6); 7.7194 (0.7); 7.5093 (11.1); 7.4942 (8.8); 7.4570 (7.6); 7.4467 (8.3); 7.4104 (3.3); 7.2992 (18.0); 7.2760 (3.7); 7.2701 (3.4); 7.2214 (0.7); 7.2026 (0.7); 7.1508 (0.4); 6.8284 (0.5); 6.8180 (0.5); 6.7987 (0.5); 6.2333 (1.3); 6.2146 (1.3); 6.0757 (1.3); 6.0576 (1.4); 4.6385 (0.6); 4.6253 (0.7); 4.5883 (0.8); 4.5782 (0.8); 4.5370 (0.7); 4.5250 (0.7); 4.4883 (0.8); 4.4776 (0.8); 4.1507 (0.8); 4.1285 (1.0); 4.1105 (1.2); 4.0969 (1.2); 4.0678 (1.0); 4.0402 (0.7); 4.0224 (0.5); 3.9117 (0.4); 3.8980 (0.4); 3.8541 (3.9); 2.7236 (0.4); 2.7155 (0.4); 2.6539 (1.4); 2.6287 (1.1); 2.5313 (13.0); 2.4708 (1.3); 2.4313 (1.4); 2.3998 (1.0); 2.3885 (1.2); 2.3543 (1.2); 2.3127 (0.7); 2.2875 (0.7); 2.2782 (0.7); 2.1860 (16.0); 1.9718 (0.3); 1.9167 (0.4); 1.8941 (0.3); 1.4604 (0.5); 1.4034 (1.0); 1.3735 (1.0); 1.2919 (11.9); 1.1952 (0.8); 1.1724 (0.8); 1.1482 (0.7); 1.0577 (0.3); 0.9176 (1.2); 0.8923 (1.2); 0.8670 (1.1); 0.1079 (12.6); 0.0374 (14.6)

I-801: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.8534 (0.4); 7.6108 (0.7); 7.5899 (2.0); 7.4909 (1.0); 7.4542 (0.4); 7.4457 (0.7); 7.4386 (0.4); 7.4233 (0.5); 7.4106 (1.0); 7.3838 (1.0); 7.2996 (7.8); 7.0935 (1.1); 7.0159 (0.6); 6.9885 (0.5); 6.3494 (0.5); 4.3246 (0.4); 4.3035 (0.4); 4.2763 (0.9); 4.2554 (0.9); 4.2278 (0.5); 4.2071 (0.5); 3.4515 (0.6); 3.4286 (1.2); 3.4063 (1.2); 3.3846 (0.6); 2.6986 (7.3); 2.5411 (3.2); 2.3238 (4.2); 1.6777 (0.6); 1.6534 (1.2); 1.6295 (1.3); 1.6035 (16.0); 1.2921 (0.4); 1.0201 (1.9); 0.9956 (3.8); 0.9708 (1.7); 0.1075 (0.9); 0.0377 (8.2)

I-802: ^{1}H-NMR(600.1 MHz, CDCl3):
δ = 8.1678 (9.0); 7.9688 (0.8); 7.9597 (1.5); 7.9504 (0.8); 7.6407 (0.7); 7.6276 (2.6); 7.6158 (7.4); 7.6057 (0.6); 7.6042 (0.6); 7.4790 (3.6); 7.4453 (0.4); 7.4349 (1.3); 7.4312 (2.4); 7.4277 (1.4); 7.4243 (1.0); 7.4199 (1.8); 7.4163 (1.1); 7.3280 (3.5); 7.3147 (3.8); 7.2615 (13.8); 7.0328 (4.0); 6.9377 (2.1); 6.9244 (2.0); 4.4510 (0.8); 4.2461 (1.5); 4.2362 (1.5); 4.2221 (3.4); 4.2122 (3.3); 4.1980 (1.7); 4.1882 (1.6); 4.0989 (2.8); 3.4455 (1.6); 3.2241 (4.1); 3.2147 (6.9); 3.2053 (3.9); 3.1927 (0.3); 2.7323 (0.9); 2.5000 (0.9); 2.4746 (11.2); 2.3007 (1.0); 2.2938 (0.5); 2.2764 (16.0); 2.2652 (0.6); 1.6111 (2.0); 1.4271 (0.4); 1.3337 (1.3); 1.2847 (1.8); 1.2561 (1.8); 0.8813 (0.5); 0.8694 (0.3); −0.0001 (2.6)

I-803: ^{1}H-NMR(600.1 MHz, CDCl3):
δ = 8.1675 (9.3); 7.9564 (0.8); 7.9471 (1.5); 7.9377 (0.8); 7.6199 (0.6); 7.6068 (2.5); 7.5956 (7.0); 7.5861 (0.5); 7.5845 (0.6); 7.4671 (3.3); 7.4244 (1.2); 7.4204 (2.2); 7.4167 (1.4); 7.4143 (0.9); 7.4127 (0.9); 7.4094 (1.6); 7.4057 (0.9); 7.3269 (3.3); 7.3136 (3.5); 7.2615 (14.5); 7.0303 (3.7); 6.9339 (2.0); 6.9206 (1.8); 4.2430 (1.4); 4.2332 (1.3); 4.2190 (3.1); 4.2092 (3.0); 4.1950 (1.5); 4.1852 (1.4); 4.1328 (2.3); 4.1209 (7.0); 4.1090 (7.0); 4.0971 (2.3); 3.3003 (3.4); 3.2883 (7.6); 3.2763 (3.9); 2.9154 (4.0); 2.9034 (8.0); 2.8914 (3.6); 2.4737 (10.2); 2.2748 (14.9); 1.5808 (9.6); 1.3337 (1.2); 1.2849 (1.6); 1.2554 (2.1); 1.2395 (8.1); 1.2276 (16.0); 1.2157 (7.8); 0.8806 (0.5); 0.8688 (0.3); 0.8444 (0.4); 0.8408 (0.4); −0.0001 (2.8)

I-804: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.3197 (0.5); 9.3045 (1.0); 9.2892 (0.5); 7.9531 (0.5); 7.6815 (0.6); 7.6621 (1.3); 7.6424 (1.0); 7.6108 (1.2); 7.5912 (0.6); 7.4651 (1.6); 7.4501 (1.0); 7.4304 (0.7); 7.2847 (1.4); 7.2780 (0.4); 7.2647 (1.6); 7.0583 (1.9); 6.8780 (0.9); 6.8566 (1.2); 6.8407 (1.1); 6.8254 (0.5); 4.1040 (0.4); 4.0888 (0.4); 4.0658 (0.9); 4.0504 (0.8); 4.0273 (0.5); 4.0115 (0.5); 3.4301 (0.6); 3.4141 (1.4); 3.3963 (1.4); 3.3802 (0.6); 3.3299 (34.9); 2.8905 (4.0); 2.7318 (3.3); 2.7312 (3.3); 2.7165 (1.4); 2.6985 (2.1); 2.6817 (1.2); 2.5627 (2.5); 2.5249 (0.5); 2.5201 (0.7); 2.5113 (10.1); 2.5069 (20.7); 2.5023 (27.3); 2.4978 (19.7); 2.4933 (9.6); 2.3918 (4.6); 2.2145 (6.2); 2.2039 (1.3); 2.0612 (16.0); 1.2392 (1.0); −0.0002 (2.6)

I-805: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.3451 (0.5); 9.3292 (1.1); 9.3233 (1.2); 9.3076 (2.2); 9.2921 (1.0); 7.9530 (2.1); 7.6846 (1.2); 7.6648 (3.3); 7.6452 (2.7); 7.6137 (3.4); 7.5939 (1.7); 7.4785 (3.5); 7.4587 (2.4); 7.4390 (1.9); 7.2910 (3.1); 7.2710 (3.5); 7.0659 (4.4); 6.9066 (0.8); 6.8915 (2.0); 6.8729 (1.6); 6.7698 (0.4); 6.7555 (0.9); 6.7404 (0.4); 6.4927 (0.9); 6.4788 (2.0); 6.4646 (1.0); 5.0690 (0.4); 5.0570 (1.6); 5.0449 (1.6); 5.0330 (0.4); 4.9771 (0.9); 4.9652 (3.6); 4.9532 (3.6); 4.9412 (1.0); 4.4027 (0.4); 4.3920 (0.5); 4.3839 (0.5); 4.3734 (0.4); 4.3490 (0.4); 4.3370 (0.9); 4.3241 (1.2); 4.3205 (1.2); 4.3069 (1.1); 4.2954 (0.4); 4.1009 (0.9); 4.0853 (1.0); 4.0715 (1.5); 4.0625 (2.0); 4.0551 (2.0); 4.0501 (2.4); 4.0339 (1.3); 4.0242 (1.3); 4.0083 (1.0); 3.9879 (0.4); 3.8638 (1.5); 3.8460 (1.9); 3.8424 (2.7); 3.8248 (2.0); 3.7679 (2.1); 3.7568 (2.0); 3.7465 (1.5); 3.7354 (1.4); 3.4761 (0.8); 3.4607 (0.8); 3.4547 (0.8); 3.4392 (0.8); 3.4160 (0.6); 3.4008 (0.9); 3.3907 (0.6); 3.3812 (1.7); 3.3688 (2.0); 3.3553 (2.0); 3.3391 (3.4); 3.3295 (99.4); 3.3056 (1.2); 3.2910 (0.6); 2.8903 (16.0); 2.7319 (13.0); 2.7308 (13.6); 2.6712 (0.4); 2.6666 (0.3); 2.5247 (1.1); 2.5200 (1.6); 2.5113 (26.1); 2.5068 (54.9); 2.5022 (73.7); 2.4976 (53.4); 2.4931 (25.7);

TABLE 2-continued

2.3927 (12.4); 2.3337 (0.4); 2.3290 (0.5); 2.3245 (0.4); 2.2753 (0.4); 2.2187 (13.6); 1.3231 (12.8); 1.3111 (12.8); 1.2615 (6.2); 1.2495 (6.5); 1.2391 (2.1); 0.8534 (0.6); −0.0002 (7.5)

I-806: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.3303 (1.2); 9.3150 (2.6); 9.2995 (1.3); 9.2552 (0.5); 7.9531 (1.5); 7.7273 (0.6); 7.7072 (0.6); 7.6911 (0.7); 7.6769 (1.4); 7.6575 (3.5); 7.6376 (2.8); 7.6066 (3.5); 7.5864 (1.8); 7.5766 (0.8); 7.5475 (0.4); 7.5271 (0.4); 7.4895 (4.1); 7.4709 (0.4); 7.4583 (2.3); 7.4390 (1.9); 7.3291 (0.6); 7.3089 (0.8); 7.2955 (3.6); 7.2755 (4.0); 7.2607 (0.4); 7.0628 (4.6); 6.8940 (2.6); 6.8741 (2.5); 6.5059 (2.6); 6.4817 (2.7); 5.9975 (1.2); 5.9835 (1.2); 5.9716 (1.3); 5.9573 (1.6); 5.9546 (1.6); 5.9403 (1.4); 5.9284 (1.4); 5.9144 (1.4); 5.5468 (0.4); 5.5423 (0.4); 5.1278 (3.3); 5.0815 (4.0); 5.0794 (4.1); 5.0529 (3.2); 4.4688 (0.7); 4.4530 (1.0); 4.4443 (0.8); 4.4389 (0.9); 4.4295 (1.0); 4.4146 (0.6); 4.1085 (0.8); 4.0994 (0.8); 4.0929 (0.8); 4.0688 (1.1); 4.0524 (1.0); 4.0312 (1.0); 4.0152 (0.9); 3.9946 (1.0); 3.9801 (1.0); 3.9556 (0.7); 3.9402 (0.7); 3.3593 (0.4); 3.3333 (170.3); 2.8906 (11.4); 2.7315 (9.9); 2.6714 (0.4); 2.6673 (0.3); 2.5249 (1.2); 2.5115 (27.1); 2.5071 (55.6); 2.5026 (73.7); 2.4981 (53.4); 2.4937 (26.0); 2.4097 (2.3); 2.3938 (11.5); 2.3339 (0.3); 2.3294 (0.5); 2.3251 (0.4); 2.2195 (16.0); 2.2095 (4.6); 2.0101 (0.4); 1.9910 (0.3); 1.6639 (0.8); 1.6519 (0.7); 1.2971 (11.0); 1.2808 (10.9); 1.2389 (2.3); 0.8533 (0.7); 0.8350 (0.4); −0.0002 (6.7)

I-807: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.3075 (1.2); 9.2921 (2.7); 9.2766 (1.3); 7.6815 (1.2); 7.6618 (3.2); 7.6420 (2.6); 7.6106 (3.2); 7.5911 (1.6); 7.4796 (4.1); 7.4566 (2.4); 7.4368 (1.8); 7.2924 (3.7); 7.2723 (4.2); 7.0636 (4.3); 6.8940 (2.2); 6.8740 (2.0); 6.5587 (1.3); 6.5443 (2.7); 6.5300 (1.3); 4.1016 (1.0); 4.0863 (1.1); 4.0633 (2.3); 4.0478 (2.2); 4.0249 (1.2); 4.0098 (1.2); 3.5000 (2.8); 3.4860 (7.3); 3.4728 (4.6); 3.3821 (2.1); 3.3686 (5.0); 3.3547 (4.4); 3.3303 (80.8); 3.2705 (45.4); 2.8903 (0.8); 2.7308 (0.7); 2.6711 (0.4); 2.5248 (0.8); 2.5200 (1.3); 2.5113 (21.1); 2.5068 (43.7); 2.5023 (57.9); 2.4976 (41.6); 2.4931 (19.9); 2.3944 (11.3); 2.3291 (0.4); 2.2206 (16.0); 1.2581 (0.6); 1.2392 (2.1); 0.8530 (0.6); −0.0002 (5.6)

I-808: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.2652 (0.4); 9.2498 (0.9); 9.2343 (0.4); 7.7487 (0.4); 7.7292 (1.1); 7.7097 (1.0); 7.6894 (1.2); 7.6696 (0.5); 7.5459 (1.5); 7.5352 (0.9); 7.5151 (0.6); 7.3142 (1.3); 7.2942 (1.4); 7.0642 (1.5); 6.8765 (0.8); 6.8565 (0.7); 4.1683 (0.4); 4.1531 (0.4); 4.1311 (0.8); 4.1156 (0.8); 4.0934 (0.4); 4.0781 (0.4); 3.5572 (1.6); 3.5422 (3.5); 3.5274 (1.9); 3.3344 (42.1); 3.2573 (1.8); 3.2426 (3.4); 3.2274 (2.0); 3.2225 (16.0); 2.8907 (0.7); 2.7312 (0.6); 2.5252 (0.4); 2.5204 (0.5); 2.5117 (7.3); 2.5073 (14.9); 2.5027 (19.6); 2.4981 (13.9); 2.4936 (6.6); 2.4088 (3.9); 2.2032 (5.6); 1.2392 (0.4); −0.0002 (2.2)

I-809: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.2826 (1.3); 9.2671 (2.8); 9.2515 (1.3); 7.9532 (1.1); 7.6754 (1.2); 7.6558 (3.3); 7.6360 (2.6); 7.6030 (3.2); 7.5834 (1.7); 7.4741 (4.2); 7.4506 (2.4); 7.4309 (1.8); 7.2960 (3.8); 7.2760 (4.2); 7.0611 (4.3); 6.9000 (2.2); 6.8800 (2.0); 6.7211 (1.3); 6.7061 (2.7); 6.6911 (1.3); 4.0967 (1.0); 4.0818 (1.0); 4.0585 (2.3); 4.0431 (2.2); 4.0198 (1.2); 4.0044 (1.1); 3.3358 (155.7); 3.3197 (2.0); 3.3034 (3.5); 3.2839 (3.4); 3.2683 (1.6); 2.8907 (8.6); 2.7322 (6.9); 2.7313 (6.9); 2.6718 (0.4); 2.5253 (1.1); 2.5205 (1.7); 2.5119 (22.8); 2.5074 (46.6); 2.5028 (61.2); 2.4982 (43.3); 2.4937 (20.2); 2.3936 (11.2); 2.3296 (0.4); 2.2209 (16.0); 1.4994 (1.6); 1.4818 (3.8); 1.4637 (3.8); 1.4463 (1.6); 1.2391 (1.0); 0.6591 (0.4); 0.6461 (0.8); 0.6398 (0.8); 0.6281 (1.4); 0.6205 (0.8); 0.6155 (0.8); 0.6085 (1.0); 0.5965 (0.5); 0.5910 (0.4); 0.4191 (1.6); 0.4090 (4.2); 0.4047 (4.5); 0.3992 (2.0); 0.3949 (2.2); 0.3888 (4.1); 0.3847 (3.8); 0.3750 (1.4); 0.0637 (1.5); 0.0535 (4.6); 0.0501 (5.0); 0.0414 (4.5); 0.0379 (4.6); 0.0274 (1.2); −0.0002 (3.4)

I-810: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.2694 (1.2); 9.2540 (2.7); 9.2385 (1.2); 9.0838 (0.6); 7.9529 (1.7); 7.7466 (1.0); 7.7271 (3.1); 7.7076 (3.1); 7.6916 (3.5); 7.6724 (1.5); 7.6536 (0.7); 7.6328 (0.6); 7.5994 (0.8); 7.5761 (4.2); 7.5474 (2.3); 7.5279 (1.8); 7.4040 (1.2); 7.3985 (1.1); 7.3925 (0.9); 7.3290 (3.7); 7.3091 (4.1); 7.2563 (0.9); 7.2364 (1.0); 7.1197 (1.3); 7.0678 (4.2); 7.0130 (1.0); 6.8918 (2.2); 6.8724 (2.0); 6.7571 (0.6); 6.7367 (0.5); 4.1519 (1.1); 4.1368 (1.1); 4.1149 (2.4); 4.0994 (2.4); 4.0775 (1.4); 4.0618 (1.4); 3.3303 (117.9); 2.8906 (13.6); 2.7311 (11.2); 2.6762 (0.3); 2.6714 (0.5); 2.6669 (0.4); 2.5249 (1.3); 2.5201 (1.9); 2.5115 (28.3); 2.5070 (58.8); 2.5024 (78.4); 2.4978 (56.5); 2.4933 (27.2); 2.4101 (11.1); 2.3754 (2.8); 2.3338 (0.4); 2.3292 (0.5); 2.3246 (0.4); 2.2082 (16.0); 2.1726 (4.1); 2.0101 (0.4); 1.9905 (0.4); 1.3758 (5.5); 1.2394 (2.3); 0.9374 (0.4); 0.9213 (1.3); 0.9092 (0.4); 0.8534 (0.8); 0.8354 (0.3); 0.6241 (0.4); 0.6117 (1.4); 0.6074 (1.4); 0.5947 (0.4); −0.0002 (6.9)

I-811: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.3275 (1.2); 9.3121 (2.7); 9.2966 (1.3); 7.7662 (1.0); 7.7467 (3.2); 7.7272 (3.1); 7.7117 (3.6); 7.6920 (1.4); 7.5901 (4.1); 7.5686 (2.4); 7.5488 (1.8); 7.3232 (3.8); 7.3032 (4.2); 7.0711 (4.2); 6.8887 (2.2); 6.8693 (2.0); 4.1845 (1.1); 4.1688 (1.1); 4.1472 (2.4); 4.1316 (2.4); 4.1144 (2.0); 4.0898 (4.9); 4.0644 (4.8); 4.0390 (1.7); 3.3297 (88.3); 2.8906 (1.6); 2.7311 (1.4); 2.6714 (0.4); 2.5249 (0.9); 2.5202 (1.4); 2.5115 (23.2); 2.5070 (47.7); 2.5024 (63.0); 2.4978 (44.8); 2.4932 (21.1); 2.4151 (11.2); 2.3292 (0.4); 2.2064 (16.0); 1.2582 (0.5); 1.2393 (1.8); 0.8534 (0.6); −0.0002 (6.2)

I-812: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.1373 (0.8); 9.1206 (1.4); 9.1023 (1.3); 9.0859 (0.5); 7.9530 (2.0); 7.6878 (0.5); 7.6791 (0.6); 7.6683 (1.5); 7.6606 (1.5); 7.6488 (1.2); 7.6394 (1.2); 7.6067 (2.1); 7.5869 (1.1); 7.4617 (1.8); 7.4574 (2.0); 7.4270 (5.1); 7.4094 (1.2); 7.2677 (3.1); 7.2477 (3.4); 7.0891 (1.8); 7.0833 (1.9); 7.0294 (3.4); 6.8122 (1.0); 6.7959 (1.8); 6.7784 (1.2); 6.6366 (1.2); 6.6289 (1.2); 4.2005 (0.3); 4.1796 (0.4); 4.1630 (0.3); 4.0972 (0.3); 4.0643 (0.6); 4.0278 (0.4); 4.0112 (0.4); 3.9396 (0.4); 3.9276 (0.4); 3.9025 (0.4); 3.8902 (0.4); 3.3564 (0.4); 3.3337 (127.1); 2.8905 (16.0); 2.7322 (13.0); 2.7310 (13.6); 2.7177 (0.8); 2.7102 (0.7); 2.7005 (0.4); 2.6716 (0.4); 2.5250 (1.0); 2.5203 (1.6); 2.5116 (23.7); 2.5072 (49.0); 2.5026 (64.8); 2.4980 (46.3); 2.4934 (21.9); 2.4636 (0.4); 2.4552 (0.8); 2.4471 (1.1); 2.4388 (1.1); 2.4308 (0.9); 2.4224 (0.4); 2.3795 (9.2); 2.3340 (0.3); 2.3294 (0.4); 2.1931 (8.0); 2.1868 (10.4); 1.2928 (0.3); 1.2766 (0.6); 1.2688 (0.8); 1.2574 (1.0); 1.2495 (0.8); 1.2400 (1.3); 1.0330 (0.4); 1.0221 (0.5); 1.0167 (0.5); 1.0108 (0.5); 1.0056 (0.4); 1.0002 (0.5); 0.9134 (0.5); 0.9015 (0.6); 0.8929 (1.1); 0.8807 (1.2); 0.8687 (0.9); 0.8597 (1.1); 0.8523 (0.6); 0.8476 (0.8); 0.8366 (0.5); 0.8265 (0.4); 0.6977 (0.4); 0.6827 (0.6); 0.6790 (0.6); 0.6637 (0.6); 0.6564 (0.5); 0.6419 (0.3); 0.6086 (0.6); 0.5990 (0.7); 0.5949 (0.8); 0.5851 (1.2); 0.5754 (0.7); 0.5713 (0.7); 0.5618 (0.6); 0.5012 (0.4); 0.4852 (0.7); 0.4757 (0.7); 0.4603 (0.4); 0.4498 (0.9); 0.4331 (1.6); 0.4268 (1.2); 0.4174 (1.7); 0.4025 (1.7); 0.3940 (0.9); 0.3905 (0.8); 0.3824 (1.2); 0.3738 (0.5); 0.3698 (0.6); 0.3619 (0.5); 0.3213 (0.5); 0.3127 (0.6); 0.3094

TABLE 2-continued

(0.6); 0.3006 (1.2); 0.2890 (0.9); 0.2796 (0.9); 0.2698 (0.7); 0.2659 (0.8); 0.2558 (0.5); 0.2457 (0.7); 0.2230 (0.3); 0.1302 (0.5); 0.1180 (1.8); 0.1071 (2.3); 0.1013 (1.5); 0.0983 (1.6); 0.0944 (1.5); 0.0856 (1.3); 0.0813 (0.8); 0.0737 (1.2); 0.0621 (1.2); 0.0527 (1.2); 0.0398 (0.8); 0.0297 (0.5); −0.0002 (6.0)

I-813: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.1451 (1.1); 9.1295 (2.4); 9.1141 (1.2); 7.9524 (0.5); 7.8986 (15.0); 7.3328 (3.8); 7.3128 (4.4); 7.0904 (7.6); 7.0844 (4.7); 6.9946 (2.2); 6.9748 (2.0); 6.9253 (2.1); 6.9189 (1.9); 6.9039 (3.0); 6.8975 (2.9); 6.8186 (6.8); 6.7972 (4.6); 4.5992 (3.6); 4.5775 (7.7); 4.5557 (3.9); 4.1104 (1.2); 4.0946 (1.2); 4.0731 (2.8); 4.0573 (2.7); 4.0356 (1.4); 4.0200 (1.3); 3.3286 (51.8); 3.2374 (2.5); 3.2158 (5.0); 3.1941 (2.4); 2.8896 (4.1); 2.7313 (3.3); 2.7303 (3.4); 2.6706 (0.4); 2.5241 (1.0); 2.5194 (1.4); 2.5107 (21.6); 2.5062 (44.8); 2.5016 (58.9); 2.4970 (41.6); 2.4924 (19.5); 2.4188 (11.1); 2.3285 (0.4); 2.2637 (0.7); 2.2504 (16.0); 2.1999 (0.3); 1.2391 (1.3); 0.8533 (0.4); −0.0002 (5.0)

I-814: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.1928 (1.1); 9.1772 (2.4); 9.1616 (1.2); 7.9417 (15.7); 7.4715 (2.5); 7.4519 (5.2); 7.4323 (3.4); 7.3201 (3.9); 7.3002 (4.4); 7.2487 (2.8); 7.2296 (2.4); 7.1809 (2.5); 7.1762 (4.0); 7.1724 (3.1); 7.1486 (2.4); 7.1446 (1.7); 7.1303 (2.0); 7.1286 (2.0); 7.1244 (1.6); 7.0817 (4.0); 6.9576 (2.1); 6.9376 (2.0); 4.4604 (15.8); 4.1138 (1.2); 4.0982 (1.2); 4.0769 (2.8); 4.0611 (2.7); 4.0397 (1.4); 4.0239 (1.3); 3.3287 (49.6); 3.3221 (51.8); 2.8896 (1.6); 2.7315 (1.2); 2.7302 (1.3); 2.6706 (0.4); 2.5242 (1.0); 2.5195 (1.4); 2.5108 (21.6); 2.5063 (44.9); 2.5017 (59.2); 2.4970 (41.6); 2.4924 (19.4); 2.4149 (11.1); 2.3284 (0.4); 2.2588 (0.5); 2.2328 (16.0); 2.1876 (0.3); 1.2387 (0.5); −0.0002 (6.2)

I-815: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.2948 (1.1); 9.2791 (2.4); 9.2636 (1.2); 8.0705 (12.9); 7.9535 (1.6); 7.9497 (1.6); 7.9393 (1.4); 7.9344 (2.3); 7.9300 (1.7); 7.9196 (1.5); 7.9158 (1.5); 7.8298 (1.3); 7.8259 (1.3); 7.8095 (2.6); 7.8061 (2.4); 7.7897 (1.6); 7.7859 (1.4); 7.5670 (2.0); 7.5473 (3.5); 7.5266 (1.6); 7.3243 (3.8); 7.3043 (4.2); 7.0701 (4.1); 6.9341 (2.2); 6.9142 (2.0); 4.1354 (1.2); 4.1199 (1.2); 4.0986 (2.7); 4.0829 (2.6); 4.0615 (1.4); 4.0459 (1.3); 3.3295 (50.8); 2.8909 (3.1); 2.7312 (2.6); 2.6717 (0.4); 2.5253 (1.1); 2.5206 (1.6); 2.5118 (23.8); 2.5074 (49.0); 2.5028 (64.4); 2.4982 (45.7); 2.4937 (21.6); 2.4446 (0.4); 2.4206 (11.1); 2.3296 (0.4); 2.3056 (0.4); 2.2030 (16.0); 1.2386 (0.5); −0.0002 (6.0)

I-816: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.2515 (1.1); 9.2362 (2.4); 9.2204 (1.1); 7.9787 (13.5); 7.9533 (0.6); 7.3265 (3.8); 7.3065 (4.2); 7.2731 (0.7); 7.2608 (1.6); 7.2500 (1.8); 7.2385 (1.4); 7.2333 (1.3); 7.2133 (1.1); 7.2024 (0.5); 7.1934 (8.0); 7.1810 (4.3); 7.1586 (0.5); 7.0735 (4.2); 6.9484 (2.2); 6.9282 (2.0); 4.1195 (1.2); 4.1039 (1.2); 4.0826 (2.7); 4.0669 (2.6); 4.0455 (1.4); 4.0298 (1.3); 3.3289 (54.6); 2.8903 (4.9); 2.7315 (4.2); 2.6710 (0.4); 2.5245 (1.3); 2.5197 (2.0); 2.5111 (26.1); 2.5067 (52.2); 2.5021 (67.2); 2.4975 (47.1); 2.4930 (22.0); 2.4199 (11.2); 2.3334 (0.4); 2.3287 (0.6); 2.3244 (0.4); 2.2973 (13.2); 2.2933 (13.1); 2.2659 (0.4); 2.2083 (16.0); 2.1847 (0.4); 1.2392 (1.2); 0.8535 (0.4); −0.0002 (5.4)

I-817: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.1767 (0.8); 9.1610 (1.7); 9.1454 (0.8); 7.9321 (10.4); 7.3710 (1.5); 7.3516 (3.3); 7.3323 (2.0); 7.3239 (2.9); 7.3039 (3.2); 7.1239 (2.0); 7.1050 (1.9); 7.1035 (1.9); 7.0847 (3.1); 7.0209 (3.5); 7.0187 (4.2); 7.0173 (4.4); 6.9968 (1.5); 6.9913 (1.1); 6.9648 (1.6); 6.9452 (1.4); 4.1096 (0.9); 4.0939 (0.9); 4.0724 (2.0); 4.0567 (1.9); 4.0350 (1.0); 4.0193 (0.9); 3.3302 (41.6); 2.5243 (0.8); 2.5196 (1.2); 2.5109 (15.7); 2.5064 (32.4); 2.5018 (42.4); 2.4972 (29.7); 2.4926 (13.8); 2.4155 (8.2); 2.3460 (16.0); 2.3286 (0.4); 2.2906 (0.7); 2.2590 (0.4); 2.2378 (11.8); 1.2388 (0.4); −0.0002 (3.9)

I-818: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.2533 (1.0); 9.2378 (2.2); 9.2221 (1.0); 7.9996 (16.0); 7.9530 (0.4); 7.3503 (0.4); 7.3448 (0.6); 7.3301 (2.2); 7.3241 (4.5); 7.3205 (6.2); 7.3104 (2.6); 7.3061 (5.8); 7.2982 (4.0); 7.2860 (1.5); 7.2026 (1.5); 7.1970 (1.5); 7.1842 (2.3); 7.1784 (1.2); 7.1742 (1.3); 7.1705 (1.1); 7.1602 (1.0); 7.0677 (3.7); 6.9327 (1.9); 6.9129 (1.7); 4.1220 (1.0); 4.1063 (1.0); 4.0853 (2.4); 4.0695 (2.3); 4.0483 (1.2); 4.0327 (1.1); 3.3279 (49.1); 2.8902 (3.2); 2.7308 (2.6); 2.6711 (0.4); 2.5450 (34.1); 2.5328 (0.5); 2.5247 (1.2); 2.5200 (1.7); 2.5112 (24.2); 2.5067 (50.0); 2.5021 (65.6); 2.4975 (46.0); 2.4929 (21.4); 2.4179 (9.8); 2.3289 (0.4); 2.3243 (0.4); 2.2911 (0.9); 2.2634 (0.4); 2.2036 (14.2); 2.1810 (0.4); 1.2392 (0.9); −0.0002 (5.2)

I-819: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.1928 (1.2); 9.1773 (2.6); 9.1616 (1.4); 8.0040 (15.8); 7.9701 (0.4); 7.6858 (0.6); 7.6779 (5.7); 7.6756 (7.1); 7.6700 (3.1); 7.6666 (3.8); 7.6617 (5.2); 7.6469 (4.5); 7.6447 (4.4); 7.5353 (0.4); 7.5284 (0.5); 7.5239 (2.2); 7.5177 (2.3); 7.5163 (2.4); 7.5089 (2.9); 7.5040 (1.7); 7.5008 (1.8); 7.4949 (1.7); 7.4898 (0.5); 7.4844 (0.5); 7.3143 (3.7); 7.2943 (4.2); 7.0734 (4.1); 7.0422 (0.3); 6.9158 (2.2); 6.8955 (2.1); 4.1288 (1.2); 4.1133 (1.2); 4.0919 (2.8); 4.0761 (2.8); 4.0548 (1.6); 4.0391 (1.5); 3.3275 (51.3); 3.2943 (1.7); 2.8904 (1.2); 2.7308 (1.0); 2.6711 (0.4); 2.6666 (0.3); 2.5246 (1.4); 2.5199 (2.0); 2.5113 (24.4); 2.5067 (51.6); 2.5022 (69.5); 2.4976 (51.2); 2.4931 (26.2); 2.4725 (4.4); 2.4684 (4.7); 2.4130 (11.4); 2.3791 (1.0); 2.3336 (0.4); 2.3289 (0.5); 2.3244 (0.4); 2.2541 (0.4); 2.2173 (16.0); 2.1840 (1.0); 2.1719 (0.6); 1.2397 (0.7); −0.0002 (6.1)

I-820: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 9.2935 (1.1); 9.2777 (2.4); 9.2621 (1.2); 8.0518 (15.6); 7.6121 (0.9); 7.5928 (1.8); 7.5813 (0.8); 7.5780 (1.0); 7.5747 (1.0); 7.5111 (0.7); 7.5062 (1.0); 7.4901 (2.8); 7.4852 (1.9); 7.4759 (3.1); 7.4708 (5.4); 7.4534 (2.2); 7.4500 (2.9); 7.4323 (0.7); 7.4291 (0.9); 7.3218 (3.9); 7.3018 (4.3); 7.0656 (4.1); 6.9185 (2.2); 6.8985 (2.0); 4.1328 (1.2); 4.1171 (1.2); 4.0960 (2.7); 4.0802 (2.6); 4.0591 (1.3); 4.0434 (1.3); 3.3287 (61.2); 3.3153 (0.5); 2.8907 (0.6); 2.7325 (0.6); 2.7312 (0.6); 2.6764 (0.4); 2.6718 (0.5); 2.6673 (0.4); 2.5254 (1.3); 2.5207 (1.8); 2.5120 (28.7); 2.5075 (60.2); 2.5029 (79.2); 2.4982 (55.7); 2.4936 (26.2); 2.4447 (0.3); 2.4203 (11.1); 2.3342 (0.4); 2.3297 (0.5); 2.3250 (0.4); 2.3053 (0.4); 2.2913 (1.0); 2.2622 (0.4); 2.1833 (16.0); 2.1662 (0.5); 1.2393 (0.6); −0.0002 (8.6)

I-821: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.2640 (1.3); 9.2483 (2.7); 9.2330 (1.3); 7.9610 (0.8); 7.7298 (1.1); 7.7102 (3.0); 7.6907 (2.5); 7.6633 (3.4); 7.6438 (1.6); 7.5064 (5.2); 7.4831 (2.0); 7.3137 (3.5); 7.2938 (3.9); 7.0828 (4.4); 6.9059 (2.3); 6.8861 (2.1); 4.1787 (1.1); 4.1631 (1.1); 4.1409 (2.4); 4.1255 (2.3); 4.1028 (1.3); 4.0875 (1.2); 3.7048 (5.7); 3.6946 (8.0); 3.6833 (6.2); 3.3106 (88.4); 3.2029 (6.0); 3.1925 (7.8); 3.1817 (5.6); 2.8991 (5.2); 2.7400 (4.6); 2.5134 (17.5); 2.5090 (23.8); 2.5047 (17.7); 2.4199 (11.5); 2.2252 (16.0)

TABLE 2-continued

I-822: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 7.5593 (2.7); 7.3842 (0.6); 7.3799 (0.6); 7.3744 (1.4); 7.3633 (2.7); 7.3592 (3.0); 7.3534 (5.8); 7.3338 (2.3); 7.2620 (13.9); 7.2424 (1.2); 7.2141 (1.6); 7.2089 (2.7); 7.2038 (1.5); 7.0938 (1.2); 7.0899 (1.2); 7.0733 (1.1); 7.0695 (1.0); 6.4896 (0.5); 6.4746 (1.0); 6.4600 (0.6); 6.0175 (0.5); 6.0099 (0.6); 6.0000 (0.6); 5.9926 (0.6); 5.9011 (0.5); 5.8936 (0.6); 5.8837 (0.6); 5.8762 (0.6); 4.1748 (0.4); 4.1672 (0.4); 4.1582 (0.4); 4.1505 (0.4); 4.1449 (0.3); 4.1282 (0.3); 4.1079 (0.4); 4.1002 (0.4); 4.0914 (0.4); 4.0835 (0.4); 3.9012 (0.3); 3.8862 (0.5); 3.8691 (0.4); 3.8646 (0.3); 3.8464 (0.6); 3.8314 (0.7); 3.8137 (0.4); 3.8089 (0.4); 3.7916 (0.4); 2.5912 (0.8); 2.3878 (16.0); 1.5618 (12.8); 0.0078 (0.5); −0.0002 (15.9); −0.0080 (1.0)
I-823: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.1674 (0.8); 8.1538 (0.6); 8.1263 (5.4); 7.3095 (1.8); 7.2886 (2.2); 7.2613 (10.1); 7.1337 (0.4); 7.1193 (1.4); 7.1134 (2.6); 7.1104 (2.9); 7.0972 (3.3); 7.0765 (0.5); 6.9860 (3.3); 6.9712 (1.6); 6.8454 (0.7); 6.8394 (0.8); 6.8283 (1.2); 6.8170 (1.1); 6.8050 (0.6); 5.9525 (0.5); 5.9451 (0.6); 5.9322 (0.6); 5.9248 (0.6); 5.8336 (0.5); 5.8264 (0.6); 5.8134 (0.6); 5.8060 (0.6); 4.1666 (0.4); 4.1594 (0.4); 4.1496 (0.4); 4.1419 (0.4); 4.1105 (0.3); 4.0915 (0.4); 4.0837 (0.4); 4.0741 (0.4); 4.0666 (0.4); 3.7181 (0.3); 3.7064 (0.3); 3.6978 (0.3); 3.6855 (0.4); 3.6822 (0.4); 3.6721 (0.5); 3.6611 (0.7); 3.6511 (0.5); 3.6400 (0.4); 3.6367 (0.4); 3.6242 (0.3); 2.7170 (16.0); 2.7003 (0.6); 2.3769 (11.4); 2.2759 (10.0); 2.1247 (0.6); 2.1161 (0.7); 2.1034 (1.1); 2.0908 (0.7); 2.0824 (0.7); 2.0691 (0.3); 1.5709 (11.2); 1.0447 (0.6); 1.0331 (2.0); 1.0282 (2.1); 1.0172 (1.1); 1.0118 (2.2); 1.0070 (2.1); 0.9961 (1.0); 0.7945 (0.8); 0.7827 (2.4); 0.7790 (2.4); 0.7704 (2.2); 0.7661 (2.7); 0.7542 (0.8); 0.0078 (0.4); −0.0002 (12.6)
I-824: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.3031 (7.4); 7.7128 (1.0); 7.6163 (4.9); 7.6034 (3.7); 7.5823 (0.4); 7.3976 (2.7); 7.3439 (1.0); 7.3374 (1.2); 7.3298 (1.5); 7.3252 (1.3); 7.3152 (0.8); 7.2618 (12.2); 6.6697 (5.0); 3.7816 (1.5); 3.7654 (3.5); 3.7507 (3.6); 3.7345 (1.7); 2.8714 (2.5); 2.8549 (4.8); 2.8384 (2.5); 2.2429 (16.0); 2.0468 (15.9); 1.5656 (9.6); 0.0077 (0.5); −0.0002 (15.0)
I-825: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.2883 (15.7); 7.9302 (2.2); 7.9166 (1.4); 7.6655 (0.5); 7.6441 (5.8); 7.6312 (11.1); 7.5155 (5.3); 7.4623 (0.5); 7.4517 (2.0); 7.4421 (2.9); 7.4373 (3.0); 7.4295 (2.4); 7.4231 (1.8); 7.2619 (59.2); 6.9980 (0.3); 6.8755 (16.0); 4.3187 (2.8); 4.3033 (2.8); 4.2829 (5.9); 4.2675 (5.8); 4.2472 (3.1); 4.2318 (2.9); 3.4996 (0.4); 3.4873 (0.4); 1.5556 (79.0); 0.1459 (0.4); 0.0077 (2.7); −0.0002 (73.5); −0.0082 (4.4); −0.1496 (0.4)
I-826: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.3068 (8.2); 7.8236 (0.9); 7.6126 (5.1); 7.5998 (4.1); 7.5787 (0.5); 7.4070 (2.9); 7.3860 (1.2); 7.3795 (1.3); 7.3721 (1.6); 7.3673 (1.3); 7.3636 (1.1); 7.3572 (0.8); 7.2623 (14.8); 5.9076 (2.7); 5.9003 (3.0); 5.7056 (2.4); 5.7005 (2.4); 3.8262 (1.6); 3.8113 (3.8); 3.7957 (3.9); 3.7807 (1.9); 2.9354 (2.6); 2.9198 (4.4); 2.9042 (2.6); 2.1309 (0.5); 2.0537 (16.0); 1.5681 (9.6); 0.0077 (0.6); −0.0002 (18.3); −0.0082 (1.1)
I-827: ^{1}H-NMR(499.9 MHz, CDCl3):
δ =8.1881 (0.4); 8.1776 (0.6); 8.1672 (0.4); 8.1009 (5.3); 7.4002 (1.8); 7.3845 (2.0); 7.2594 (5.4); 7.0849 (3.0); 7.0775 (1.6); 7.0755 (1.7); 7.0735 (1.8); 7.0702 (2.4); 7.0593 (0.4); 6.9616 (1.1); 6.9457 (1.0); 6.9309 (2.0); 6.8254 (0.6); 6.8176 (0.5); 6.8132 (0.9); 6.8063 (1.0); 6.7988 (0.5); 6.7932 (0.5); 5.2043 (0.7); 5.1971 (0.8); 5.1888 (0.8); 5.1816 (0.7); 3.9519 (0.6); 3.9446 (0.6); 3.9387 (0.6); 3.9313 (0.6); 3.9240 (0.7); 3.9167 (0.7); 3.9108 (0.7); 3.9034 (0.6); 3.5699 (0.6); 3.5601 (0.7); 3.5544 (0.7); 3.5444 (0.8); 3.5421 (0.7); 3.5322 (0.6); 3.5264 (0.6); 3.5165 (0.6); 2.6975 (16.0); 2.6821 (0.6); 2.5084 (0.4); 2.3593 (0.4); 2.3490 (11.1); 2.3137 (0.4); 2.2474 (10.1); 2.1044 (0.5); 2.0978 (0.5); 2.0942 (0.4); 2.0875 (1.0); 2.0808 (0.4); 2.0771 (0.6); 2.0705 (0.6); 1.6169 (0.3); 1.0312 (0.7); 1.0220 (1.8); 1.0182 (1.9); 1.0143 (1.0); 1.0093 (1.0); 1.0050 (1.9); 1.0012 (1.9); 0.9923 (0.9); 0.7807 (0.9); 0.7717 (2.1); 0.7681 (2.1); 0.7614 (2.0); 0.7579 (2.3); 0.7484 (0.9); −0.0002 (7.0)
I-828: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.8551 (0.5); 8.8400 (0.8); 8.8259 (0.5); 8.0806 (5.5); 7.3261 (1.9); 7.3061 (2.0); 7.2613 (12.1); 7.0875 (3.5); 6.9838 (2.1); 6.8512 (1.1); 6.8316 (1.1); 4.2419 (0.8); 4.2261 (0.9); 4.2069 (1.8); 4.1913 (1.8); 4.1719 (1.0); 4.1564 (0.9); 3.8375 (0.5); 3.7345 (16.0); 3.7001 (0.5); 2.9325 (0.8); 2.9136 (2.6); 2.8948 (2.7); 2.8847 (0.5); 2.8772 (1.0); 2.4723 (6.2); 2.3212 (0.3); 2.3054 (0.3); 2.2758 (8.5); 2.2216 (0.3); 1.5651 (5.0); 1.3977 (4.0); 1.3789 (8.2); 1.3600 (4.0); −0.0002 (0.4)
I-829: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.2655 (9.4); 8.0167 (2.2); 7.8915 (0.9); 7.8780 (1.5); 7.8644 (1.0); 7.3673 (1.4); 7.3607 (3.8); 7.3518 (3.4); 7.3402 (5.2); 7.3359 (4.5); 7.3184 (2.3); 7.2698 (2.6); 7.2619 (21.3); 7.2508 (3.4); 7.2298 (1.3); 7.0457 (4.0); 6.9913 (2.2); 6.9708 (2.0); 4.2628 (1.6); 4.2478 (1.6); 4.2269 (3.4); 4.2118 (3.4); 4.1909 (1.8); 4.1758 (1.8); 2.9569 (16.0); 2.8836 (14.8); 2.4870 (11.3); 2.4398 (0.4); 2.3118 (0.4); 2.2850 (15.9); 2.1706 (0.4); 1.7542 (1.8); 1.7409 (5.4); 1.7346 (5.8); 1.7222 (2.6); 1.6839 (0.3); 1.5741 (14.2); 1.5280 (0.6); 1.4900 (2.4); 1.4775 (5.7); 1.4711 (6.0); 1.4578 (2.3); −0.0002 (0.7)
I-830: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.3589 (1.3); 8.2560 (8.2); 8.0172 (2.2); 7.6923 (2.8); 7.6709 (3.0); 7.3363 (2.5); 7.3164 (2.8); 7.2672 (3.3); 7.2608 (16.4); 7.2550 (2.7); 7.2480 (2.9); 7.2411 (2.1); 7.0217 (3.0); 6.9485 (2.0); 6.9433 (2.0); 6.9272 (3.5); 6.9222 (2.6); 6.9081 (1.6); 6.5884 (2.2); 4.2465 (1.2); 4.2316 (1.2); 4.2103 (2.6); 4.1954 (2.5); 4.1741 (1.4); 4.1591 (1.3); 2.9554 (16.0); 2.8836 (14.5); 2.4698 (8.4); 2.2544 (11.7); 1.5822 (7.5); −0.0002 (0.5)
I-831: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.2563 (10.2); 8.0484 (1.4); 8.0348 (0.9); 8.0165 (0.7); 7.4838 (1.6); 7.4639 (3.4); 7.4440 (2.0); 7.3293 (3.5); 7.3094 (3.9); 7.2607 (20.5); 7.1594 (3.9); 7.1548 (3.5); 7.1457 (3.0); 7.1273 (4.2); 7.1247 (4.1); 7.1094 (2.2); 7.1038 (1.8); 7.0335 (4.0); 6.9485 (2.2); 6.9285 (2.0); 4.2441 (1.7); 4.2292 (1.7); 4.2081 (3.6); 4.1932 (3.6); 4.1721 (1.9); 4.1572 (1.8); 2.9564 (4.2); 2.8836 (3.8); 2.4715 (11.3); 2.4469 (0.7); 2.3288 (0.6); 2.2858 (16.0); 1.5927 (1.1); 1.5764 (4.2); 1.5723 (5.4); 1.5634 (12.1); 1.5479 (2.2); 1.5289 (3.4); 1.5253 (3.4); 1.5102 (1.3); 1.1504 (0.9); 1.1346 (3.1); 1.1307 (3.8); 1.1127 (3.8); 1.1090 (3.2); 1.0929 (0.9); −0.0002 (0.7)
I-832: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.2585 (10.6); 8.0161 (0.7); 7.8401 (0.8); 7.8271 (1.4); 7.3403 (3.4); 7.3204 (3.9); 7.2944 (0.5); 7.2789 (1.0); 7.2610 (24.7); 7.2432 (6.3); 7.2371 (3.4); 7.2268 (4.2); 7.2239 (3.8); 7.2152 (1.8);

TABLE 2-continued

7.2057 (1.0); 7.1972 (0.7); 7.0341 (4.0); 6.9544 (2.2); 6.9344 (2.0); 6.7779 (2.3); 6.5962 (4.7); 6.4145 (2.4); 4.2539 (1.8); 4.2389 (1.7); 4.2181 (3.8); 4.2031 (3.7); 4.1823 (2.0); 4.1673 (1.9); 2.9566 (5.4); 2.8835 (4.9); 2.4744 (11.5); 2.2767 (16.0); 1.5626 (16.6); 1.2539 (0.3); −0.0002 (0.7)

I-833: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.0085 (0.9); 7.4881 (0.9); 7.4848 (0.9); 7.4691 (1.5); 7.4529 (0.9); 7.3408 (2.3); 7.3208 (2.5); 7.2593 (32.9); 7.2413 (0.9); 7.2208 (1.7); 7.2035 (1.1); 7.1080 (1.2); 7.0876 (1.8); 7.0669 (0.8); 6.9204 (2.8); 6.8330 (1.5); 6.8112 (1.4); 6.3560 (0.6); 6.3417 (1.1); 4.2371 (1.1); 4.2209 (1.0); 4.2009 (2.2); 4.1853 (2.2); 4.1648 (1.1); 4.1494 (1.1); 2.9531 (5.7); 2.8790 (5.4); 2.4921 (7.7); 2.3525 (16.0); 1.8509 (0.7); 1.8423 (0.7); 1.8302 (1.2); 1.8182 (0.8); 1.8094 (0.6); 1.5469 (40.4); 1.0032 (0.8); 0.9910 (2.3); 0.9863 (2.4); 0.9701 (2.3); 0.9655 (2.2); 0.9545 (0.9); 0.6931 (0.9); 0.6808 (3.0); 0.6647 (2.9); 0.6523 (0.8); −0.0002 (33.7)

I-834: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 7.5593 (4.2); 7.3855 (0.6); 7.3614 (7.7); 7.3339 (2.8); 7.3296 (2.7); 7.3120 (1.9); 7.2667 (16.6); 7.2621 (17.0); 7.2265 (2.9); 7.2119 (5.0); 7.2081 (6.5); 7.0936 (2.3); 7.0743 (2.0); 7.0707 (2.0); 6.3833 (1.6); 6.3695 (1.0); 6.0169 (0.9); 6.0021 (0.9); 5.9018 (0.9); 5.8853 (0.9); 4.2190 (0.4); 4.2046 (0.4); 4.1825 (0.6); 4.1771 (0.5); 4.1654 (0.6); 4.1600 (0.6); 4.1543 (0.5); 4.1463 (0.4); 4.1343 (0.4); 4.1173 (0.5); 4.1096 (0.5); 4.1053 (0.5); 4.0998 (0.5); 3.8847 (0.4); 3.8713 (0.7); 3.8523 (0.7); 3.8334 (0.9); 3.8157 (1.0); 3.7972 (0.8); 3.7788 (0.7); 3.7656 (0.4); 2.6140 (14.8); 2.6101 (15.7); 2.5963 (1.3); 2.2966 (15.2); 2.2926 (16.0); 1.5665 (14.6); 0.0044 (20.9); −0.0002 (21.7)

I-835: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.0124 (1.6); 7.3736 (2.3); 7.3538 (2.6); 7.2598 (12.9); 7.1811 (2.8); 7.0761 (0.5); 7.0617 (1.8); 7.0535 (3.1); 7.0407 (3.8); 7.0232 (1.8); 7.0052 (1.5); 6.7808 (0.8); 6.7748 (0.9); 6.7637 (1.3); 6.7526 (1.2); 6.7405 (0.6); 6.4478 (0.6); 6.4329 (1.0); 6.4191 (0.6); 6.0609 (0.6); 6.0531 (0.6); 6.0444 (0.6); 6.0358 (0.6); 5.9444 (0.6); 5.9365 (0.6); 5.9272 (0.6); 5.9192 (0.6); 4.2177 (0.3); 4.2009 (0.3); 4.1897 (0.4); 4.1814 (0.4); 4.1731 (0.4); 4.1640 (0.5); 4.1524 (0.3); 4.1448 (0.3); 4.1361 (0.3); 4.1246 (0.4); 4.1161 (0.4); 4.1080 (0.4); 4.0997 (0.4); 3.9257 (0.4); 3.9114 (0.5); 3.8945 (0.4); 3.8897 (0.4); 3.8720 (0.7); 3.8577 (0.8); 3.8404 (0.4); 3.8355 (0.4); 3.8209 (0.4); 2.9526 (11.6); 2.8800 (10.8); 2.6145 (0.5); 2.5943 (15.8); 2.3432 (0.4); 2.3113 (16.0); 2.2938 (12.0); 2.0839 (0.6); 2.0756 (0.7); 2.0627 (1.2); 2.0498 (0.7); 2.0417 (0.7); 2.0283 (0.4); 1.5632 (8.6); 1.0081 (0.8); 0.9964 (2.2); 0.9916 (2.4); 0.9804 (1.3); 0.9752 (2.3); 0.9705 (2.3); 0.9595 (0.9); 0.7643 (1.0); 0.7526 (2.8); 0.7492 (2.7); 0.7402 (2.5); 0.7363 (2.8); 0.7240 (0.8); −0.0002 (17.5)

I-836: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.0117 (1.5); 7.2923 (2.2); 7.2728 (2.7); 7.2592 (14.9); 7.0851 (0.7); 7.0694 (1.6); 7.0651 (1.5); 7.0541 (3.6); 7.0482 (2.1); 7.0359 (2.6); 7.0142 (2.2); 6.9916 (2.0); 6.9819 (2.8); 6.7741 (1.0); 6.7702 (1.0); 6.7565 (1.4); 6.7513 (1.5); 6.7412 (0.8); 6.7344 (0.7); 6.5362 (0.6); 6.5213 (0.9); 5.9287 (0.6); 5.9213 (0.6); 5.9083 (0.6); 5.9005 (0.5); 5.8096 (0.6); 5.8022 (0.6); 5.7892 (0.6); 5.7819 (0.6); 4.1760 (0.3); 4.1505 (0.3); 4.1396 (0.4); 4.1317 (0.4); 4.1220 (0.4); 4.1143 (0.4); 4.1012 (0.3); 4.0831 (0.3); 4.0755 (0.3); 4.0649 (0.4); 4.0571 (0.4); 4.0469 (0.4); 4.0389 (0.4); 3.7304 (0.6); 3.7180 (0.4); 3.7102 (0.4); 3.6970 (0.5); 3.6862 (0.5); 3.6817 (0.4); 3.6738 (0.7); 3.6658 (0.4); 3.6530 (0.5); 3.6374 (0.3); 3.1676 (1.0); 2.9521 (10.8); 2.9224 (0.4); 2.8797 (10.1); 2.6033 (16.0); 2.5772 (1.3); 2.3719 (12.4); 2.3479 (1.6); 2.3372 (15.7); 2.3192 (2.1); 2.3112 (1.2); 2.2914 (12.0); 2.2313 (1.1); 2.0908 (0.5); 2.0781 (0.8); 2.0692 (0.8); 2.0568 (1.3); 2.0440 (0.8); 2.0359 (0.7); 2.0229 (0.4); 1.5691 (3.2); 1.0008 (0.8); 0.9891 (2.6); 0.9843 (2.6); 0.9731 (1.6); 0.9679 (2.6); 0.9632 (2.4); 0.9523 (1.0); 0.7570 (1.0); 0.7455 (3.1); 0.7330 (2.8); 0.7290 (3.0); 0.7168 (0.9); −0.0002 (19.8)

I-837: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.0122 (1.7); 7.3616 (2.4); 7.3415 (2.6); 7.2597 (14.0); 7.0783 (0.5); 7.0634 (2.1); 7.0546 (6.2); 7.0412 (3.4); 7.0204 (0.6); 6.9169 (1.7); 6.9133 (1.6); 6.8969 (1.5); 6.8933 (1.4); 6.7815 (0.8); 6.7756 (0.9); 6.7644 (1.3); 6.7530 (1.1); 6.7411 (0.6); 6.4433 (0.6); 6.4293 (1.0); 6.4152 (0.6); 6.0450 (0.6); 6.0369 (0.7); 6.0275 (0.6); 6.0192 (0.6); 5.9286 (0.6); 5.9202 (0.7); 5.9113 (0.7); 5.9031 (0.6); 4.2141 (0.3); 4.2052 (0.3); 4.1972 (0.3); 4.1856 (0.4); 4.1774 (0.4); 4.1694 (0.4); 4.1602 (0.5); 4.1489 (0.3); 4.1207 (0.4); 4.1120 (0.4); 4.1040 (0.4); 4.0955 (0.4); 3.9077 (0.4); 3.8914 (0.5); 3.8765 (0.4); 3.8716 (0.4); 3.8539 (0.7); 3.8398 (0.8); 3.8222 (0.4); 3.8174 (0.4); 3.8029 (0.4); 2.9524 (12.5); 2.8799 (11.6); 2.6115 (0.5); 2.5946 (16.0); 2.5778 (0.5); 2.3044 (16.0); 2.0869 (0.6); 2.0785 (0.7); 2.0657 (1.2); 2.0528 (0.7); 2.0444 (0.7); 2.0311 (0.4); 1.8638 (0.3); 1.8515 (0.7); 1.8429 (0.8); 1.8307 (1.3); 1.8182 (0.8); 1.8098 (0.7); 1.7972 (0.3); 1.5620 (12.5); 1.0075 (1.6); 0.9955 (4.5); 0.9909 (4.8); 0.9793 (2.6); 0.9744 (4.6); 0.9699 (4.4); 0.9588 (1.8); 0.7641 (1.0); 0.7525 (2.8); 0.7490 (2.7); 0.7398 (2.5); 0.7359 (2.9); 0.7237 (0.9); 0.6825 (1.0); 0.6706 (3.0); 0.6668 (2.7); 0.6584 (2.4); 0.6543 (3.0); 0.6421 (0.8); −0.0002 (18.8)

I-838: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.0109 (1.7); 7.4649 (2.4); 7.4448 (2.6); 7.2598 (15.7); 7.0706 (0.6); 7.0503 (2.0); 7.0379 (1.6); 7.0321 (4.0); 7.0213 (1.4); 7.0172 (1.5); 7.0014 (0.5); 6.9965 (0.4); 6.9500 (1.6); 6.9299 (1.4); 6.7850 (0.8); 6.7777 (0.8); 6.7684 (1.4); 6.7630 (1.2); 6.7494 (0.8); 6.7450 (0.7); 6.3862 (0.6); 6.3718 (1.1); 6.3559 (0.6); 4.4429 (1.1); 4.4269 (1.1); 4.4076 (2.4); 4.3916 (2.3); 4.3723 (1.2); 4.3563 (1.1); 2.9523 (12.0); 2.8794 (11.2); 2.5810 (16.0); 2.3677 (0.4); 2.2935 (11.0); 2.2626 (15.8); 2.1139 (0.4); 2.0815 (0.6); 2.0733 (0.7); 2.0605 (1.2); 2.0480 (0.7); 2.0394 (0.7); 1.5612 (12.7); 1.0155 (0.8); 1.0039 (2.3); 0.9991 (2.4); 0.9878 (1.3); 0.9826 (2.3); 0.9779 (2.3); 0.9670 (0.9); 0.7686 (1.0); 0.7570 (2.8); 0.7443 (2.5); 0.7405 (2.8); 0.7283 (0.8); −0.0002 (17.6)

I-839: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.0110 (0.9); 7.2969 (1.9); 7.2722 (1.0); 7.2592 (9.7); 7.1365 (1.5); 7.1168 (1.2); 7.0568 (0.4); 7.0360 (1.9); 7.0217 (2.5); 7.0113 (1.1); 6.7714 (0.5); 6.7554 (0.8); 6.7485 (0.9); 6.7366 (0.6); 6.7311 (0.5); 6.3902 (0.4); 6.3761 (0.7); 6.3619 (0.4); 4.2089 (0.8); 4.1934 (0.8); 4.1734 (1.7); 4.1578 (1.6); 4.1379 (0.8); 4.1224 (0.8); 2.9517 (6.7); 2.8790 (6.2); 2.5841 (11.4); 2.2861 (0.4); 2.2607 (11.5); 2.2415 (16.0); 2.0717 (0.4); 2.0633 (0.5); 2.0505 (0.9); 2.0378 (0.5); 2.0296 (0.5); 1.5567 (12.1); 1.0050 (0.6); 0.9933 (1.6); 0.9885 (1.7); 0.9774 (0.9); 0.9721 (1.6); 0.9674 (1.6); 0.9565 (0.7); 0.7573 (0.7); 0.7455 (2.0); 0.7421 (1.9); 0.7333 (1.8); 0.7291 (2.0); 0.7170 (0.6); −0.0002 (12.7)

I-840: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.0078 (1.7); 7.4864 (2.7); 7.4653 (2.3); 7.4452 (2.5); 7.2594 (15.7); 7.0899 (0.6); 7.0700 (1.8); 7.0504 (2.2); 7.0400 (1.4); 7.0245 (1.4); 7.0117 (1.7); 6.9930 (1.4); 6.8182 (0.8); 6.8131 (0.8); 6.8004 (1.4); 6.7824 (0.7); 6.4075 (0.6); 6.3927 (1.0); 6.3791 (0.6); 4.4663 (1.0); 4.4502 (1.0); 4.4310 (2.2); 4.4150 (2.1); 4.3957 (1.1); 4.3798 (1.0); 2.9518 (12.0); 2.8777 (11.2); 2.3774 (16.0); 2.2968 (10.1);

TABLE 2-continued

2.1532 (0.4); 2.0879 (0.6); 2.0791 (0.7); 2.0665 (1.1); 2.0541 (0.7); 2.0457 (0.6); 1.5487 (19.7); 1.0334 (0.7); 1.0218 (2.1); 1.0171 (2.2); 1.0056 (1.2); 1.0005 (2.2); 0.9959 (2.1); 0.9847 (0.8); 0.7782 (0.9); 0.7664 (2.6); 0.7539 (2.3); 0.7500 (2.6); 0.7377 (0.7); −0.0002 (21.0)

I-841: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.0093 (1.4); 7.4993 (0.8); 7.4820 (1.4); 7.4653 (0.9); 7.4311 (0.7); 7.4123 (1.5); 7.3932 (1.0); 7.3687 (2.3); 7.3489 (2.6); 7.3015 (1.3); 7.2815 (2.0); 7.2599 (12.6); 7.1850 (2.9); 7.0387 (1.6); 7.0190 (1.5); 7.0084 (1.3); 6.8713 (2.5); 6.7343 (1.2); 6.3729 (0.6); 6.3586 (1.0); 6.3445 (0.6); 6.0628 (0.6); 6.0544 (0.6); 6.0453 (0.6); 6.0368 (0.6); 5.9460 (0.6); 5.9378 (0.6); 5.9289 (0.6); 5.9204 (0.6); 4.2366 (0.3); 4.2285 (0.3); 4.2200 (0.3); 4.2115 (0.3); 4.2002 (0.4); 4.1916 (0.4); 4.1833 (0.4); 4.1746 (0.5); 4.1624 (0.3); 4.1541 (0.3); 4.1456 (0.3); 4.1345 (0.4); 4.1265 (0.4); 4.1179 (0.4); 4.1096 (0.4); 3.9208 (0.4); 3.9067 (0.5); 3.8890 (0.4); 3.8844 (0.4); 3.8674 (0.7); 3.8531 (0.8); 3.8359 (0.4); 3.8313 (0.4); 3.8168 (0.4); 2.9517 (10.0); 2.8781 (9.4); 2.6248 (0.5); 2.6021 (15.9); 2.5778 (0.3); 2.3459 (0.4); 2.3189 (16.0); 2.2906 (12.0); 1.5595 (10.2); −0.0002 (16.0)

I-842: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.0044 (1.7); 7.5028 (0.7); 7.4851 (1.3); 7.4686 (0.9); 7.3992 (3.2); 7.3815 (1.5); 7.3627 (1.0); 7.3412 (1.9); 7.3202 (3.1); 7.3066 (1.4); 7.2865 (1.9); 7.2598 (16.5); 7.2426 (1.0); 7.0059 (1.2); 6.8689 (2.5); 6.7319 (1.2); 6.3998 (0.6); 6.3846 (1.1); 6.3705 (0.6); 4.2520 (1.1); 4.2360 (1.1); 4.2158 (2.3); 4.1999 (2.2); 4.1799 (1.2); 4.1639 (1.1); 2.9509 (12.0); 2.8760 (11.1); 2.5972 (16.0); 2.5293 (7.6); 2.2469 (15.6); 1.5541 (20.1); −0.0002 (19.8)

I-843: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 7.9957 (1.4); 7.3385 (0.8); 7.3339 (0.8); 7.3153 (1.5); 7.3046 (0.9); 7.2905 (2.7); 7.2593 (12.1); 7.2432 (1.6); 7.1807 (0.5); 7.1760 (0.6); 7.1601 (1.7); 7.1554 (1.4); 7.1456 (4.1); 7.1427 (4.2); 7.1249 (2.7); 7.1016 (0.6); 6.3802 (0.6); 6.3657 (1.0); 6.3518 (0.6); 4.2067 (1.1); 4.1910 (1.1); 4.1712 (2.3); 4.1556 (2.2); 4.1357 (1.1); 4.1200 (1.1); 2.9492 (9.5); 2.8711 (8.9); 2.3722 (16.0); 2.2935 (0.4); 2.2798 (0.5); 2.2516 (13.2); 2.2432 (10.4); 1.5507 (14.3); −0.0002 (14.8)

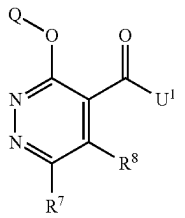
I-844: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 7.9991 (1.8); 7.4917 (2.8); 7.4696 (2.4); 7.4495 (2.6); 7.3539 (0.7); 7.3497 (0.8); 7.3308 (1.4); 7.3199 (0.9); 7.3138 (0.8); 7.2597 (13.0); 7.1989 (0.5); 7.1954 (0.6); 7.1788 (1.6); 7.1744 (1.2); 7.1643 (1.7); 7.1589 (3.3); 7.1387 (1.6); 7.1186 (0.5); 7.0400 (1.5); 7.0201 (1.4); 6.3918 (0.6); 6.3774 (1.0); 6.3637 (0.6); 4.4648 (1.1); 4.4488 (1.1); 4.4292 (2.2); 4.4132 (2.1); 4.3936 (1.1); 4.3776 (1.1); 2.9502 (12.7); 2.8727 (12.0); 2.3893 (16.0); 2.3727 (0.5); 2.3061 (10.5); 2.1948 (0.4); 1.5515 (18.3); −0.0002 (17.3)

The compounds as shown in table 3, 5, 7 and 9 below were prepared in analogy with the examples provided above. ^{1}H-NMR data of these compounds is respectively shown in tables 4, 6, 8 and 10.

TABLE 3

Compounds according to formula (1)

(1)

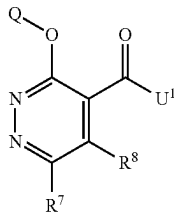


Ex N°	R^7	R^8	Q	U^1	LogP
1-001	Cl	cyclopropyl	3-(trifluoromethyl)phenyl	methoxy	3.94[a]
1-002	Cl	methyl	3-chlorophenyl	hydroxy	1.39[a]
1-003	Cl	H	3-(difluoromethyl)phenyl	hydroxy	1.45[a]
1-004	methylsulfanyl	H	3-(trifluoromethyl)phenyl	hydroxy	2.25[a]
1-005	Cl	methyl	3-cyclopropyl-2-fluorophenyl	hydroxy	1.84[a]
1-006	methyl	methyl	3-(difluoromethyl)-2-fluorophenyl	methoxy	2.64[a]
1-007	cyano	H	3-(trifluoromethyl)phenyl	hydroxy	1.74[a]
1-008	Cl	methyl	3-(trifluoromethyl)phenyl	hydroxy	1.70[a]
1-009	methyl	methyl	2-fluoro-3-(trifluoromethyl)phenyl	hydroxy	1.40[a]
1-010	methyl	H	3-(difluoromethyl)-2-fluorophenyl	hydroxy	1.34[a]
1-011	Cl	H	2,3-difluorophenyl	isopropyl-oxy	3.65[a]
1-012	cyclopropyl	H	3-(difluoromethyl)phenyl	hydroxy	1.68[a]
1-013	methyl	methyl	3-(difluoromethyl)-2-fluorophenyl	hydroxy	0.96[a]
1-014	Cl	cyclopropyl-amino	3-(trifluoromethyl)phenyl	hydroxy	2.20[a]
1-015	Cl	H	3-cyclopropylphenyl	hydroxy	1.87[a]
1-016	cyclopropyl	H	3-(difluoromethyl)phenyl	isopropyl-oxy	3.63[a]
1-017	Cl	H	3-ethynylphenyl	hydroxy	1.50[a]
1-018	methyl	methyl	3-chlorophenyl	hydroxy	0.80[a]

TABLE 3-continued

Compounds according to formula (1)

(1)

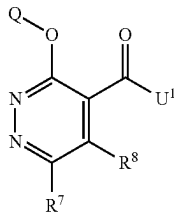


Ex N°	R^7	R^8	Q	U^1	LogP
1-019	methyl	H	5-(trifluoromethyl)pyridin-3-yl	hydroxy	1.01[a]
1-020	3-chloro-pyridin-4-yl	H	3-(difluoromethyl)-2-fluorophenyl	hydroxy	1.86[a]
1-021	pyrrolidin-1-yl	H	3-(trifluoromethyl)phenyl	hydroxy	1.08[a]
1-022	cyano	H	3-(trifluoromethyl)phenyl	isopropyl-oxy	3.85[a]
1-023	Cl	H	3-(difluoromethyl)-2-fluorophenyl	isopropyl-oxy	3.68[a]
1-024	Cl	H	2,3-difluorophenyl	hydroxy	1.65[a]
1-025	Cl	H	5-(trifluoromethyl)pyridin-3-yl	hydroxy	1.31[a]
1-026	Cl	2-methoxy-ethyl	3-(trifluoromethyl)phenyl	hydroxy	1.74[a]
1-027	Cl	Cyclooropyl-amino	3-(trifluoromethyl)phenyl	methoxy	3.35[a]
1-028	Cl	H	3-cyclopropyl-2-fluorophenyl	hydroxy	2.01[a]
1-029	1H-imidazol-1-yl	H	3-(trifluoromethyl)phenyl	hydroxy	1.14[a]
1-030	ethyl	H	3-(trifluoromethyl)phenyl	hydroxy	1.82[a]
1-031	Cl	H	6-(trifluoromethyl)pyridin-2-yl	hydroxy	0.69[b]
1-032	pyrrolidin-1-yl	H	3-(trifluoromethyl)phenyl	isopropyl-oxy	3.62[a]
1-033	Cl	methyl	3-chlorophenyl	methoxy	3.37[a]
1-034	acetyl	H	3-(trifluoromethyl)phenyl	hydroxy	2.01[a]
1-035	ethyl	H	3-(trifluoromethyl)phenyl	isopropyl-oxy	3.96[a]
1-036	methyl	H	5-(trifluoromethyl)pyridin-3-yl	ethoxy	2.37[a]
1-037	methyl	methyl	3-cyclopropylphenyl	hydroxy	1.10[a]
1-038	Cl	ethoxy	3-(trifluoromethyl)phenyl	hydroxy	1.96[a]
1-039	vinyl	H	3-(trifluoromethyl)phenyl	isopropyl-oxy	4.01[a]
1-040	methyl	H	3-cyclopropylphenyl	hydroxy	1.46[a]
1-041	methyl	H	2-fluoro-3-(trifluoromethyl)phenyl	methoxy	2.90[a]
1-042	methyl	methyl	3-chlorophenyl	methoxy	2.71[a]
1-043	cyclopropyl	H	3-(trifluoromethyl)phenyl	hydroxy	1.90[a]
1-044	Cl	H	2-fluoro-3-(trifluoromethyl)phenyl	hydroxy	1.98[a]
1-045	Cl	H	3-ethynylphenyl	isopropyl-oxy	3.64[a]
1-046	Cl	methoxy	3-(trifluoromethyl)phenyl	methoxy	3.52[a]
1-047	Cl	H	2-fluoro-3-(trifluoromethyl)phenyl	methoxy	3.35[a]
1-048	Cl	H	3-bromophenyl	hydroxy	1.66[a]
1-049	Cl	Cl	3-(trifluoromethyl)phenyl	methoxy	3.86[a]
1-050	1H-imidazol-1-yl	H	3-(trifluoromethyl)phenyl	isopropyl-oxy	2.55[a]
1-051	Cl	H	5-cyclopropylpyridin-3-yl	hydroxy	0.59[b]
1-052	Cl	I	3-(trifluoromethyl)phenyl	methoxy	3.25[a]
1-053	3-chloro-pyridin-4-yl	H	2,3-difluorophenyl	hydroxy	1.22[a]
1-054	ethyl	methyl	3-(trifluoromethyl)phenyl	hydroxy	1.54[a]
1-055	Cl	Cl	3-(difluoromethyl)-2-fluorophenyl	methoxy	3.51[a]
1-056	Cl	Cl	3-cyclopropylphenyl	ethoxy	4.41[a]
1-057	trifluoromethyl	H	3-(trifluoromethyl)phenyl	hydroxy	2.27[a]
1-058	Cl	H	3-cyclopropyl-2-fluorophenyl	isopropyl-oxy	4.30[a]
1-059	trifluoromethyl	H	3-(trifluoromethyl)phenyl	isopropyl-oxy	4.34[a]
1-060	Cl	ethoxy	3-(trifluoromethyl)phenyl	ethoxy	4.23[a]
1-061	Cl	H	3-cyclopropylphenyl	isopropyl-oxy	4.15[a]
1-062	Cl	H	3-(difluoromethyl)-2-fluorophenyl	hydroxy	1.63[a]
1-063	Cl	H	5-bromopyridin-3-yl	hydroxy	0.94[a]; 0.53[b]
1-064	Cl	Cl	2-fluoro-3-(trifluoromethyl)phenyl	methoxy	3.96[a]
1-065	Cl	methyl	3-cyclopropyl-2-fluorophenyl	isopropyl-oxy	4.51[a]

TABLE 3-continued

Compounds according to formula (1)

(1)

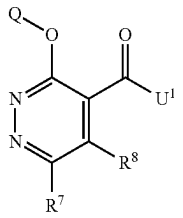


Ex N°	R^7	R^8	Q	U^1	LogP
1-066	I	H	3-(trifluoromethyl)phenyl	isopropyl-oxy	4.25[a]
1-067	methyl	H	2-fluoro-3-(trifluoromethyl)phenyl	hydroxy	1.75[a]
1-068	cyclopropyl-amino	H	3-(trifluoromethyl)phenyl	isopropyl-oxy	3.23[a]
1-069	Cl	vinyl	3-(trifluoromethyl)phenyl	methoxy	3.94[a]
1-070	methyl	methyl	3-(trifluoromethyl)phenyl	hydroxy	1.52[a]
1-071	Cl	H	6-(trifluoromethyl)pyridin-2-yl	methoxy	2.69[b]
1-072	1-ethoxyethen-1-yl	H	3-(trifluoromethyl)phenyl	isopropyl-oxy	4.90[a]
1-073	Cl	Cl	3-cyclopropyl-2-fluorophenyl	isopropyl-oxy	4.92[a]
1-074	3-chloropyridin-4-yl	H	2,3-difluorophenyl	isopropyl-oxy	3.65[a]
1-075	acetyl	H	3-(trifluoromethyl)phenyl	isopropyl-oxy	4.01[a]
1-076	Cl	H	5-cyclopropylpyridin-3-yl	ethoxy	2.60[b]
1-077	methyl	methyl	3-cyclopropyl-2-fluorophenyl	hydroxy	1.31[a]
1-078	Cl	methyl	3-cyclopropylphenyl	isopropyl-oxy	4.41[a]
1-079	Cl	H	3-(trifluoromethyl)phenyl	methoxy	3.27[a]
1-080	methyl	methyl	3-cyclopropylphenyl	isopropyl-oxy	3.63[a]
1-081	Cl	methyl	3-cyclopropylphenyl	hydroxy	1.70[a]
1-082	methyl	methyl	3-(trifluoromethyl)phenyl	methoxy	2.98[a]
1-083	methylsulfanyl	H	3-(trifluoromethyl)phenyl	ethoxy	3.96[a]
1-084	Cl	1H-pyrazol-1-yl	3-(trifluoromethyl)phenyl	methoxy	3.53[a]
1-085	Cl	phenyl	3-(trifluoromethyl)phenyl	methoxy	4.25[a]
1-086	Cl	H	5-bromopyridin-3-yl	methoxy	2.33[a]
1-087	Cl	methyl	3-(trifluoromethyl)phenyl	methoxy	3.55[a]
1-088	Cl	H	5-(trifluoromethyl)pyridin-3-yl	ethoxy	3.00[a]
1-089	Cl	H	2-fluoro-3-formylphenyl	isopropyl-oxy	3.19[a]
1-090	Cl	H	2-fluoro-3-vinylphenyl	isopropyl-oxy	4.11[a]
1-091	Cl	H	3-acetylphenyl	isopropyl-oxy	3.08[a]
1-092	Cl	H	2-fluoro-3-vinylphenyl	hydroxy	1.82[a]
1-093	Cl	H	3-acetylphenyl	hydroxy	1.01[a]
1-094	Cl	H	3-[rac-2,2-difluorocyclopropyl]phenyl	hydroxy	1.87[a]
1-095	Cl	H	3-(1-fluorocyclopropyl)phenyl	hydroxy	1.82[a]
1-096	Cl	H	3-[rac-2,2-difluorocyclopropyl]phenyl	isopropyl-oxy	3.96[a]
1-097	Cl	H	3-(1-fluorocyclopropyl)phenyl	isopropyl-oxy	3.99[a]
1-098	methyl	H	3-(difluoromethyl)phenyl	hydroxy	1.36[a]
1-099	Cl	H	3-cyclopropyl-2-fluorophenyl	methoxy	3.45[a]
1-100	methyl	H	3-cyclopropyl-2-fluorophenyl	methoxy	2.89[a]
1-101	Cl	methyl	3-cyclopropyl-2-fluorophenyl	methoxy	3.70[a]
1-102	Cl	H	5-(difluoromethyl)pyridin-3-yl	isopropyl-oxy	2.82[a]
1-103	Cl	methyl	3-[rac-2,2-difluorocyclopropyl]phenyl	isopropyl-oxy	4.15[a]
1-104	Cl	methyl	3-(1-fluorocyclopropyl)phenyl	hydroxy	1.63[a]
1-105	Cl	methyl	3-[rac-2,2-difluorocyclopropyl]phenyl	hydroxy	1.69[a]
1-106	Cl	methyl	3-(1-fluorocyclopropyl)phenyl	isopropyl-oxy	4.25[a]
1-107	Cl	H	2-fluoro-3-[rac-2,2-difluorocyclopropyl]phenyl	isopropyl-oxy	3.96[a]
1-108	Cl	H	2-fluoro-3-[rac-2,2-difluorocyclopropyl]phenyl	hydroxy	1.81[a]

TABLE 3-continued

Compounds according to formula (1)

(1)



Ex N°	R^7	R^8	Q	U^1	LogP
1-109	Cl	methyl	2-fluoro-3-[rac-2,2-difluorocyclopropyl]phenyl	isopropyl-oxy	4.23[a]
1-110	Cl	methyl	2-fluoro-3-[rac-2,2-difluorocyclopropyl]phenyl	hydroxy	1.82[a]
1-111	methyl	H	3-cyclopropyl-2-fluorophenyl	hydroxy	1.70[a]
1-112	methyl	H	3-cyclopropyl-2-fluorophenyl	ethoxy	3.29[a]
1-113	Cl	H	2-fluoro-3-(1-fluorocyclopropyl)phenyl	hydroxy	1.99[a]
1-114	Cl	H	2-fluoro-3-(1-fluorocyclopropyl)phenyl	isopropyl-oxy	4.62[a]
1-115	Cl	methyl	2-fluoro-3-(1-fluorocyclopropyl)phenyl	isopropyl-oxy	4.33[a]
1-116	Cl	methylamino	3-cyclopropyl-2-fluorophenyl	hydroxy	1.97[a]
1-117	Cl	methyl	3-(difluoromethyl)-2-fluorophenyl	hydroxy	1.49[a]
1-118	Cl	H	3-chloro-2-fluorophenyl	isopropyl-oxy	4.08[a]
1-119	Cl	H	3-chloro-2-fluorophenyl	ethoxy	3.60[a]
1-120	methyl	H	3-chloro-2-fluorophenyl	isopropyl-oxy	3.44[a]
1-121	Cl	methyl	3-chloro-2-fluorophenyl	ethoxy	3.88[a]
1-122	Cl	methyl	3-chloro-2-fluorophenyl	hydroxy	1.68[a]
1-123	methyl	H	3-chloro-2-fluorophenyl	hydroxy	1.46[a]
1-124	Cl	H	3-(difluoromethyl)phenyl	methoxy	2.76[a]
1-125	methyl	H	3-(trifluoromethyl)phenyl	hydroxy	1.92[a]
1-126	methyl	H	3-(trifluoromethyl)phenyl	methoxy	2.77[a]
1-127	I	H	3-(trifluoromethyl)phenyl	hydroxy	2.08[a]
1-128	Cl	2-methoxyethyl	3-(trifluoromethyl)phenyl	methoxy	3.54[a]
1-129	H	H	3-(trifluoromethyl)phenyl	hydroxy	1.47[a]
1-130	Cl	H	3-bromophenyl	ethoxy	3.65[a]

TABLE 4

1-001: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.6086 (1.0); 7.5857 (2.9); 7.5630 (4.8); 7.5094 (2.6); 7.4687 (1.6); 7.4604 (1.9); 7.4527 (1.3); 7.4386 (1.2); 7.3072 (2.2); 4.1198 (0.9); 4.1038 (4.6); 4.0794 (2.2); 4.0641 (16.0); 2.0544 (0.7); 2.0452 (0.7); 2.0348 (0.6); 2.0257 (1.3); 2.0166 (0.6); 2.0060 (0.8); 1.9969 (0.8); 1.9771 (0.4); 1.7052 (0.5); 1.2520 (1.0); 1.2311 (2.7); 1.2050 (2.6); 1.1848 (1.0); 1.1659 (0.3); 0.9016 (1.0); 0.8822 (3.0); 0.8638 (2.9); 0.8443 (0.7); 0.0432 (1.5)
1-002: ^{1}H-NMR(499.9 MHz, d_6-DMSO):
δ = 7.5070 (1.3); 7.4907 (2.9); 7.4745 (1.9); 7.3950 (1.2); 7.3909 (2.6); 7.3866 (1.8); 7.3766 (1.4); 7.3749 (1.6); 7.3727 (1.1); 7.3709 (1.0); 7.3605 (1.1); 7.3588 (1.1); 7.3566 (0.9); 7.3549 (0.8); 7.2279 (1.1); 7.2262 (1.2); 7.2234 (1.2); 7.2217 (1.1); 7.2115 (1.0); 7.2098 (1.0); 7.2069 (1.1); 7.2052 (0.9); 3.4043 (0.6); 3.3903 (1.0); 3.3763 (1.2); 3.3622 (1.5); 3.3227 (3.4); 2.5080 (5.7); 2.5044 (12.3); 2.5008 (17.2); 2.4972 (12.5); 2.4936 (5.9); 2.3962 (16.0); 2.3388 (0.8); 1.0907 (0.6); 0.0063 (0.3); −0.0002 (11.1); −0.0068 (0.4)
1-003: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 8.2400 (16.0); 7.6498 (2.3); 7.6302 (5.4); 7.6106 (3.8); 7.5151 (4.9); 7.4824 (7.4); 7.4627 (4.5); 7.4423 (3.4); 7.2113 (3.0); 7.0721 (6.5); 6.9329 (3.2); 2.5098 (2.1)
1-004: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.9586 (5.4); 7.6341 (0.4); 7.6086 (1.4); 7.5827 (3.4); 7.5381 (2.1); 7.4940 (0.9); 7.4874 (1.4); 7.4806 (0.8); 7.4634 (0.9); 7.2986 (7.0); 2.7208 (16.0); 2.0934 (0.6); 1.2945 (1.0); 0.1080 (1.4); 0.0377 (7.1)
1-005: ^{1}H-NMR(499.9 MHz, d_6-DMSO):
δ = 7.2008 (0.5); 7.1974 (0.6); 7.1845 (1.3); 7.1815 (1.2); 7.1714 (1.3); 7.1667 (1.4); 7.1639 (2.1); 7.1483 (1.9); 7.1323 (0.7); 6.9341 (0.8); 6.9309 (0.8); 6.9188 (1.1); 6.9163 (1.2); 6.9061 (0.6); 6.9020 (0.5); 2.5135 (0.4); 2.5099 (0.5); 2.5063 (0.4); 2.3968 (16.0); 2.3846 (0.4); 2.0707 (0.6); 2.0641 (0.6); 2.0539 (1.1); 2.0436 (0.7); 2.0371 (0.6); 1.0253 (0.9); 1.0166 (2.2); 1.0122 (2.3); 1.0086 (1.3); 1.0039 (1.3); 0.9997 (2.2); 0.9953 (2.2); 0.9871 (0.9); 0.7823 (1.0); 0.7739 (2.4); 0.7720 (2.1); 0.7698 (2.5); 0.7637 (2.4); 0.7596 (2.5); 0.7507 (0.8)

TABLE 4-continued

1-006: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5290 (0.6); 7.5080 (0.9); 7.4879 (0.9); 7.4660 (1.0); 7.4416 (0.7); 7.3266 (0.8); 7.2985 (5.1); 7.2731 (0.4); 7.0951 (0.8); 6.9124 (1.6); 6.7296 (0.8); 5.3346 (2.5); 4.0782 (0.4); 4.0489 (16.0); 4.0352 (0.3); 3.7395 (12.7); 2.6582 (11.6); 2.6276 (1.4); 2.4314 (1.4); 2.3595 (11.5); 1.2908 (0.4); 0.0358 (4.9)
1-007: ^{1}H-NMR(499.9 MHz, d_6-DMSO):
δ = 8.7747 (0.7); 8.6615 (16.0); 7.7649 (2.3); 7.7481 (11.4); 7.7336 (5.6); 7.7141 (6.8); 7.6986 (3.1); 7.6491 (4.7); 7.6326 (3.3); 6.9206 (1.2); 2.5059 (7.3); 2.5030 (9.5); 1.3543 (2.5); 1.3417 (2.3); 1.3262 (0.6); 1.3136 (0.7); 1.2963 (0.5); 1.2838 (0.5); 1.2584 (2.1); 1.2445 (2.1); 1.2355 (0.4); 1.1970 (4.6); 1.1837 (0.4); 1.1708 (4.7); 1.1593 (1.6); 1.1457 (1.5); 0.8848 (1.5); 0.8714 (1.5); −0.0002 (4.0)
1-008: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 7.7747 (2.4); 7.7475 (8.1); 7.7204 (13.3); 7.7120 (13.1); 7.6924 (16.0); 7.6526 (0.5); 7.6169 (7.8); 7.5910 (5.1); 3.6770 (0.3); 3.6257 (0.3); 3.6165 (0.3); 3.5687 (0.4); 3.5321 (0.4); 3.4984 (0.4); 3.4631 (0.4); 3.4373 (0.4); 3.4027 (0.4); 3.3673 (0.4); 3.2814 (0.3); 3.2318 (0.3); 2.6507 (0.6); 2.5397 (13.4); 2.5340 (16.5); 2.4347 (75.8); 2.2151 (0.4); 2.1066 (1.0); 1.3861 (0.4); 1.2634 (1.1); 1.2122 (0.8); 0.0288 (8.6)
1-009: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 14.8115 (0.3); 14.7538 (0.3); 14.6902 (0.4); 14.6014 (0.5); 14.5796 (0.7); 14.5446 (0.7); 14.4728 (0.9); 14.4307 (0.9); 14.4079 (0.9); 14.3765 (0.9); 14.3065 (0.6); 14.1519 (0.3); 14.1207 (0.4); 9.1033 (0.4); 8.0407 (1.1); 7.9545 (0.4); 7.8137 (7.8); 7.7870 (15.2); 7.7589 (14.7); 7.7529 (14.6); 7.7304 (9.1); 7.6828 (0.7); 7.6495 (0.8); 7.6320 (1.1); 7.6041 (1.3); 7.5547 (10.6); 7.5277 (16.0); 7.5005 (7.2); 7.4590 (0.8); 7.4324 (0.6); 7.4063 (0.3); 5.7771 (9.2); 4.0856 (0.8); 4.0616 (2.3); 4.0379 (2.4); 4.0143 (0.9); 3.9930 (0.7); 3.8624 (0.3); 3.8231 (0.4); 3.7943 (0.4); 3.5999 (1.0); 3.4738 (1.7); 3.4515 (1.7); 3.2850 (0.9); 3.2784 (0.9); 3.2157 (0.8); 3.1459 (0.5); 3.0680 (0.4); 2.7895 (0.6); 2.7555 (0.4); 2.6425 (2.5); 2.5763 (133.4); 2.5478 (10.4); 2.5344 (20.9); 2.5286 (40.2); 2.5226 (53.5); 2.5166 (39.7); 2.5108 (20.7); 2.4461 (1.7); 2.4317 (2.8); 2.4261 (2.1); 2.3921 (7.9); 2.3463 (134.0); 2.2794 (1.6); 2.2677 (1.7); 2.2250 (0.6); 2.2020 (0.8); 2.1764 (0.5); 2.1343 (1.0); 2.0990 (0.3); 2.0092 (9.8); 1.9298 (9.1); 1.3765 (0.6); 1.3450 (0.4); 1.2909 (0.7); 1.2568 (3.2); 1.2186 (3.1); 1.1948 (5.8); 1.1712 (2.8); 1.0760 (0.6); 0.8726 (0.7); 0.8511 (0.4); 0.0694 (4.6); 0.0303 (2.2); 0.0195 (50.2); −0.0400 (3.5); −0.1098 (0.4)
1-010: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 14.2011 (0.4); 10.2674 (0.6); 8.9248 (2.2); 8.0180 (16.0); 7.9688 (0.4); 7.8521 (1.4); 7.7464 (0.5); 7.7246 (0.4); 7.7033 (0.4); 7.6763 (0.9); 7.6578 (2.1); 7.6321 (3.8); 7.6080 (3.8); 7.5862 (3.6); 7.5655 (2.3); 7.5330 (0.6); 7.5061 (1.3); 7.4754 (4.2); 7.4668 (4.6); 7.4489 (4.7); 7.4222 (1.9); 7.3531 (0.7); 7.3258 (1.0); 7.3083 (0.5); 7.2958 (1.3); 7.2866 (6.9); 7.1718 (1.3); 7.1445 (1.2); 7.1274 (1.8); 7.1065 (3.5); 7.0373 (0.3); 7.0178 (0.4); 7.0042 (0.5); 6.9905 (0.7); 4.0613 (0.8); 4.0375 (0.8); 3.7670 (0.4); 3.3472 (1.7); 2.7593 (4.4); 2.6359 (41.0); 2.5341 (6.7); 2.5282 (13.7); 2.5221 (18.8); 2.5160 (13.8); 2.5101 (6.7); 2.3931 (0.5); 2.3888 (0.5); 2.0089 (3.7); 1.9294 (9.0); 1.2184 (1.0); 1.1947 (2.0); 1.1710 (1.0); 0.0689 (7.2); 0.0306 (0.9); 0.0197 (20.4); 0.0087 (1.0)
1-011: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 7.9025 (16.0); 7.2682 (1.7); 7.1612 (0.4); 7.1501 (0.4); 7.1441 (1.2); 7.1418 (1.3); 7.1392 (0.7); 7.1350 (1.4); 7.1286 (5.4); 7.1224 (1.5); 7.1174 (5.0); 7.1116 (3.2); 7.1094 (3.4); 7.1055 (1.4); 7.1004 (3.8); 7.0977 (3.0); 7.0957 (2.6); 7.0911 (1.2); 7.0868 (1.2); 7.0829 (0.8); 7.0801 (1.0); 7.0759 (0.7); 5.3491 (1.2); 5.3365 (3.0); 5.3240 (4.0); 5.3115 (3.0); 5.2990 (1.2); 5.2957 (0.8); 1.6368 (0.3); 1.4341 (0.5); 1.4161 (42.0); 1.4035 (42.8); −0.0002 (1.8)
1-012: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 14.0811 (0.4); 8.8902 (0.8); 7.9241 (16.0); 7.6373 (1.5); 7.6113 (3.6); 7.5856 (2.5); 7.5642 (0.4); 7.5453 (0.4); 7.4873 (3.3); 7.4616 (2.3); 7.3962 (7.2); 7.3700 (2.0); 7.3664 (2.2); 7.3624 (1.8); 7.2598 (2.6); 7.1170 (0.3); 7.0742 (5.6); 6.9478 (0.9); 6.9437 (0.6); 6.8886 (2.8); 3.3517 (1.0); 2.9129 (0.7); 2.7545 (0.6); 2.5366 (2.8); 2.5306 (6.0); 2.5245 (8.2); 2.5185 (5.9); 2.5125 (2.8); 2.3887 (0.6); 2.3720 (1.4); 2.3614 (1.5); 2.3565 (1.1); 2.3449 (2.5); 2.3394 (1.6); 2.3282 (1.5); 2.3177 (1.5); 2.3011 (0.8); 1.3786 (1.0); 1.1384 (1.3); 1.1215 (2.9); 1.1130 (5.3); 1.1031 (3.3); 1.0939 (3.0); 1.0854 (4.5); 1.0771 (3.2); 1.0613 (3.1); 1.0515 (4.9); 1.0434 (6.2); 1.0355 (5.0); 1.0268 (4.0); 1.0092 (1.0); 0.0328 (0.4); 0.0220 (9.4); 0.0110 (0.4); −0.0377 (0.5)
1-013: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 19.2951 (0.4); 14.7822 (0.4); 14.6202 (0.4); 14.5848 (0.5); 14.5179 (0.6); 14.3702 (0.8); 14.3517 (0.7); 14.1893 (0.4); 9.0845 (0.4); 7.8097 (0.4); 7.7436 (1.0); 7.6771 (2.0); 7.6436 (4.9); 7.6131 (12.1); 7.5875 (12.2); 7.5658 (5.6); 7.4690 (10.2); 7.4603 (9.4); 7.4436 (10.6); 7.4165 (4.0); 7.3482 (0.5); 7.3176 (0.8); 7.3055 (1.9); 7.2939 (3.5); 7.2801 (16.0); 7.1254 (0.9); 7.1135 (1.6); 7.1000 (7.8); 4.0617 (0.7); 4.0382 (0.7); 3.9452 (0.4); 3.8251 (0.8); 3.7670 (0.4); 3.7152 (0.4); 3.6224 (1.0); 3.5890 (1.2); 3.3665 (6.5); 3.1389 (0.8); 3.0599 (0.6); 3.0068 (0.4); 2.9597 (0.5); 2.9355 (0.4); 2.7846 (0.5); 2.7489 (0.6); 2.6828 (6.6); 2.6379 (0.6); 2.5709 (87.4); 2.5342 (30.6); 2.5282 (63.1); 2.5222 (86.3); 2.5161 (63.2); 2.5102 (30.7); 2.4628 (1.3); 2.4391 (11.3); 2.4239 (9.3); 2.3839 (2.0); 2.3388 (86.0); 2.2941 (1.3); 2.2557 (1.8); 2.1740 (0.4); 2.1268 (0.6); 2.0094 (2.9); 1.9296 (0.4); 1.7920 (0.4); 1.7800 (0.6); 1.2193 (0.9); 1.1954 (1.6); 1.1715 (0.7); 0.0316 (2.6); 0.0208 (75.5); 0.0098 (3.6); −0.0348 (0.4); −0.1782 (0.4); -2.4204 (0.4); -3.4823 (0.4)
1-014: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.6445 (0.5); 7.5698 (2.7); 7.5445 (7.8); 7.5195 (16.0); 7.5093 (9.8); 7.4764 (11.2); 7.4396 (5.2); 7.4332 (8.1); 7.4263 (4.2); 7.4086 (5.5); 7.3826 (0.6); 7.3637 (0.7); 7.3254 (0.6); 7.3137 (0.6); 7.2986 (53.8); 7.2646 (0.4); 6.2623 (0.4); 6.1844 (3.5); 6.0638 (0.7); 6.0086 (0.3); 4.1995 (0.8); 4.1756 (2.3); 4.1519 (2.3); 4.1283 (0.8); 3.9955 (1.5); 3.7885 (5.4); 2.9593 (1.0); 2.9468 (2.0); 2.9363 (3.0); 2.9243 (4.0); 2.9173 (4.2); 2.9054 (2.9); 2.8954 (2.1); 2.8833 (1.1); 2.1754 (0.6); 2.0898 (11.2); 1.3210 (2.9); 1.2972 (5.9); 1.2734 (2.9); 1.2573 (0.8); 1.0060 (0.5); 0.9871 (0.6); 0.9703 (0.5); 0.9336 (2.4); 0.9096 (10.1); 0.8908 (10.0); 0.8686 (4.7); 0.8384 (1.8); 0.8233 (1.3); 0.8183 (1.3); 0.7839 (4.0); 0.7680 (10.0); 0.7601 (11.9); 0.7312 (2.6); 0.0482 (1.6); 0.0450 (0.8); 0.0374 (52.7); 0.0282 (1.7); 0.0265 (2.1)
1-015: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 8.2130 (16.0); 7.3593 (2.5); 7.3332 (5.6); 7.3070 (3.4); 7.0221 (3.3); 7.0179 (3.1); 7.0083 (2.7); 7.0051 (2.6); 7.0002 (5.0); 6.9971 (5.0); 6.9819 (1.8); 6.9786 (1.8); 6.9739 (3.5); 6.9708 (2.8); 6.9607 (4.6); 6.9548 (5.0); 6.9484 (2.6); 5.7756 (1.8); 2.5344 (1.4); 2.5284 (3.0); 2.5223 (4.1); 2.5162 (3.0); 2.5103 (1.4); 2.0139 (0.6); 2.0090 (0.4); 1.9970 (1.2); 1.9859 (1.4); 1.9807 (1.0); 1.9693 (2.6); 1.9578

TABLE 4-continued

(1.0); 1.9524 (1.5); 1.9414 (1.4); 1.9245 (0.7); 1.0128 (1.6); 0.9983 (4.4); 0.9908 (4.9); 0.9852 (2.4); 0.9772 (2.6); 0.9702 (4.7); 0.9628 (4.5); 0.9494 (2.0); 0.7347 (2.0); 0.7209 (5.0); 0.7178 (4.2); 0.7139 (5.2); 0.7044 (4.8); 0.6974 (5.3); 0.6822 (1.6); 0.0194 (4.1)

1-016: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.6954 (5.4); 7.5477 (0.5); 7.5212 (1.3); 7.4941 (1.1); 7.4005 (1.2); 7.3983 (1.2); 7.3790 (2.2); 7.3462 (0.6); 7.3427 (0.7); 7.3391 (0.6); 7.2996 (2.6); 6.8673 (0.9); 6.6792 (1.9); 6.4912 (1.0); 5.3799 (0.5); 5.3589 (1.0); 5.3380 (1.4); 5.3172 (1.0); 5.2963 (0.4); 2.2223 (0.5); 2.2117 (0.6); 2.2003 (0.6); 2.1954 (0.9); 2.1838 (0.4); 2.1787 (0.6); 2.1681 (0.6); 1.6222 (2.1); 1.4442 (1.0); 1.4263 (16.0); 1.4054 (15.6); 1.2507 (0.4); 1.2320 (1.4); 1.2236 (1.7); 1.2147 (2.4); 1.2073 (1.6); 1.1971 (1.0); 1.1927 (0.7); 1.1785 (1.4); 1.1692 (1.7); 1.1609 (1.2); 1.1566 (0.8); 1.1520 (1.1); 1.1419 (2.0); 1.1334 (1.1); 1.1154 (0.4); 0.0373 (2.2)

1-017: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 8.2024 (15.4); 7.5239 (2.4); 7.4978 (6.6); 7.4717 (5.7); 7.4224 (6.0); 7.4182 (4.4); 7.3968 (3.8); 7.3878 (4.6); 7.3809 (6.0); 7.3392 (3.5); 7.3355 (3.7); 7.3314 (3.0); 7.3276 (2.6); 7.3125 (2.6); 7.3085 (2.5); 7.3048 (2.4); 7.3008 (1.9); 4.3136 (16.0); 4.1188 (0.4); 4.0607 (0.7); 4.0373 (0.7); 3.4742 (0.5); 3.4406 (0.9); 3.3535 (3.2); 3.1825 (0.4); 3.1706 (0.4); 2.5342 (10.6); 2.5282 (23.5); 2.5222 (33.0); 2.5162 (24.2); 2.5103 (11.6); 2.0095 (3.2); 1.9291 (0.5); 1.2183 (0.8); 1.1947 (1.7); 1.1710 (0.8); 0.0311 (1.0); 0.0202 (37.5); 0.0092 (1.5)

1-018: ^{1}H-NMR(499.9 MHz, d_6-DMSO):
δ = 7.4874 (1.5); 7.4711 (3.3); 7.4548 (2.0); 7.3409 (1.4); 7.3383 (1.7); 7.3224 (1.5); 7.3033 (1.9); 7.2990 (3.2); 7.2949 (1.8); 7.1631 (1.4); 7.1596 (1.4); 7.1467 (1.3); 7.1433 (1.3); 3.3599 (0.4); 2.5688 (16.1); 2.5531 (0.8); 2.5119 (2.6); 2.5084 (3.7); 2.5049 (2.9); 2.3225 (0.7); 2.3090 (16.0); 2.2943 (0.8)

1-019: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 14.1821 (0.3); 14.1522 (0.3); 14.1295 (0.3); 8.9947 (1.3); 8.9712 (0.5); 8.9384 (1.4); 8.9245 (6.4); 8.8856 (5.5); 8.8774 (5.5); 8.4370 (0.6); 8.3456 (0.6); 8.2841 (3.7); 8.2778 (5.8); 8.0392 (16.0); 7.8389 (1.1); 7.4574 (1.0); 6.5531 (0.6); 5.7793 (0.7); 3.3463 (8.6); 3.2149 (0.4); 3.1782 (0.4); 2.7764 (3.8); 2.7504 (0.4); 2.6563 (42.8); 2.5927 (0.5); 2.5359 (14.6); 2.5300 (31.2); 2.5239 (42.6); 2.5179 (30.6); 2.5121 (14.3); 2.4565 (0.4); 2.3903 (3.1); 1.2565 (1.1); 1.1966 (0.4); 0.0697 (5.9); 0.0328 (0.9); 0.0220 (28.2); 0.0111 (1.0)

1-020: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 8.9251 (0.3); 8.8698 (3.6); 8.7342 (2.5); 8.7177 (2.6); 8.5006 (5.4); 8.2939 (0.9); 8.0718 (0.4); 7.7863 (2.6); 7.7700 (2.3); 7.7560 (1.1); 7.7298 (0.6); 7.6669 (0.5); 7.6453 (1.1); 7.6245 (0.9); 7.5292 (1.0); 7.5046 (2.3); 7.4765 (0.8); 7.3255 (2.1); 7.3014 (0.4); 7.1455 (1.2); 7.1278 (0.4); 5.7769 (0.3); 3.5887 (0.6); 3.3438 (0.8); 2.5345 (3.5); 2.5286 (7.4); 2.5226 (10.2); 2.5166 (7.6); 2.5108 (3.7); 2.0095 (0.4); 1.9298 (1.9); 1.1796 (2.6); 1.0901 (16.0); 0.0313 (0.4); 0.0205 (11.3); 0.0096 (0.6); −0.0417 (0.4)

1-021: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 7.6610 (1.6); 7.6347 (4.1); 7.6081 (3.1); 7.5426 (3.9); 7.5167 (2.4); 7.4043 (5.0); 7.3769 (3.1); 7.3499 (2.4); 7.2994 (11.4); 4.0839 (0.8); 4.0603 (2.5); 4.0366 (2.6); 4.0129 (0.9); 3.5091 (5.2); 3.4874 (13.6); 3.4658 (5.4); 3.3528 (4.0); 2.5338 (5.3); 2.5280 (10.8); 2.5220 (14.6); 2.5160 (10.6); 2.5102 (5.0); 2.0160 (5.6); 2.0088 (16.0); 1.9945 (14.2); 1.9725 (5.0); 1.9290 (8.8); 1.4024 (0.7); 1.3815 (0.6); 1.2529 (0.5); 1.2177 (3.0); 1.1940 (5.9); 1.1703 (2.9); 0.0298 (0.6); 0.0191 (14.1); 0.0083 (0.7); −0.0416 (3.6)

1-022: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.2527 (16.0); 7.8756 (2.0); 7.6838 (1.0); 7.6576 (4.6); 7.6377 (12.0); 7.6350 (10.4); 7.6223 (1.5); 7.5542 (5.6); 7.5276 (0.9); 7.5211 (0.8); 7.5111 (2.5); 7.5013 (3.8); 7.4938 (3.0); 7.4806 (2.6); 7.4730 (1.7); 7.3057 (4.7); 5.4583 (0.6); 5.4357 (1.6); 5.4146 (3.4); 5.3937 (4.4); 5.3728 (3.2); 5.3519 (1.3); 1.6910 (0.4); 1.6701 (0.6); 1.6389 (2.2); 1.5343 (6.3); 1.5134 (6.6); 1.4809 (47.7); 1.4601 (47.0); 1.2978 (0.3); 0.0405 (3.2)

1-023: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.9376 (5.4); 7.6355 (0.5); 7.5766 (0.4); 7.5552 (0.8); 7.5345 (0.5); 7.5325 (0.5); 7.5089 (0.4); 7.5061 (0.4); 7.4818 (0.9); 7.4792 (0.8); 7.4575 (0.6); 7.4549 (0.6); 7.3709 (0.8); 7.3437 (1.2); 7.3177 (0.4); 7.2984 (2.8); 7.1103 (0.9); 6.9278 (1.8); 6.7452 (0.9); 5.4078 (0.4); 5.3870 (1.0); 5.3661 (1.3); 5.3452 (1.0); 5.3244 (0.4); 1.6170 (0.8); 1.4798 (1.5); 1.4609 (16.0); 1.4400 (15.1); 1.4256 (0.5); 1.4046 (0.4); 1.2465 (0.4); 0.0361 (2.9)

1-024: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 8.2813 (16.0); 7.4772 (0.6); 7.4716 (0.7); 7.4577 (1.4); 7.4525 (1.7); 7.4352 (1.9); 7.4272 (1.3); 7.4142 (1.0); 7.4089 (0.9); 7.3620 (0.8); 7.3584 (0.7); 7.3477 (0.8); 7.3409 (1.9); 7.3374 (2.0); 7.3258 (2.9); 7.3189 (4.4); 7.3098 (4.5); 7.3022 (2.6); 7.2816 (0.8); 2.5267 (0.6); 2.5220 (0.8); 2.5131 (5.9); 2.5087 (12.3); 2.5042 (16.8); 2.4997 (12.2); 2.4953 (6.0); −0.0013 (1.4); −0.0026 (1.2)

1-025: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 8.9709 (1.1); 8.9573 (4.6); 8.9551 (4.7); 8.9438 (4.4); 8.9353 (4.3); 8.4460 (0.3); 8.4354 (0.4); 8.4252 (0.5); 8.4165 (0.5); 8.3716 (2.7); 8.3654 (4.6); 8.3587 (2.7); 8.3239 (16.0); 8.0825 (1.7); 5.7786 (1.2); 4.0633 (0.4); 4.0395 (0.4); 3.6458 (0.4); 3.5738 (0.6); 3.5399 (0.7); 3.3575 (4.7); 3.0447 (1.0); 2.5362 (8.2); 2.5302 (18.1); 2.5241 (25.4); 2.5180 (18.5); 2.5120 (8.8); 2.0111 (1.8); 1.2566 (0.4); 1.2206 (0.4); 1.1969 (1.0); 1.1731 (0.5); 0.0330 (0.8); 0.0221 (26.6); 0.0112 (1.0)

1-026: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5917 (1.2); 7.5687 (5.0); 7.5142 (1.0); 7.5064 (1.4); 7.4985 (0.8); 7.4841 (0.7); 7.2987 (9.1); 3.9135 (1.8); 3.8940 (3.9); 3.8743 (2.3); 3.5053 (16.0); 3.2649 (2.1); 3.2454 (3.8); 3.2259 (2.1); 1.2932 (0.8); 1.1443 (0.6); 0.0373 (7.8)

1-027: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5541 (0.4); 7.5433 (0.9); 7.5165 (2.2); 7.5102 (1.3); 7.4902 (1.5); 7.4883 (1.4); 7.4831 (1.6); 7.4402 (0.7); 7.4327 (1.2); 7.4255 (0.6); 7.4169 (0.4); 7.4144 (0.4); 7.4090 (0.6); 7.4018 (0.3); 7.2985 (2.8); 5.6931 (0.8); 4.0184 (1.9); 4.0071 (0.4); 3.9923 (16.0); 2.7929 (0.4); 2.7891 (0.4); 2.7825 (0.4); 2.7771 (0.6); 2.7705 (0.7); 2.7651 (0.5); 2.7585 (0.4); 2.7550 (0.4); 2.7483 (0.4); 2.0802 (0.7); 1.6331 (0.7); 1.2941 (0.4); 0.8795 (1.4); 0.8742 (0.9); 0.8618 (1.4); 0.8570 (1.2); 0.8517 (0.9); 0.8395 (0.7); 0.8107 (0.4); 0.7720 (0.7); 0.7589 (1.5); 0.7490 (1.5); 0.7455 (1.5); 0.7325 (0.8); 0.7197 (0.3); 0.0350 (2.4)

1-028: ^{1}H-NMR(499.9 MHz, d_6-DMSO):
δ = 8.2502 (16.0); 8.0080 (1.2); 7.2221 (0.5); 7.2063 (1.3); 7.2027 (1.4); 7.1899 (3.5); 7.1868 (3.2); 7.1767 (7.8); 7.1620 (5.1); 7.1458 (1.7); 6.9476 (2.0); 6.9442 (2.1); 6.9334 (2.8); 6.9290 (3.0); 6.9209

TABLE 4-continued

(1.5); 6.9154 (1.3); 2.5087 (2.8); 2.5051 (3.7); 2.5016 (2.6); 2.0890 (0.9); 2.0788 (1.6); 2.0720 (1.8); 2.0620 (2.9); 2.0519 (1.7); 2.0452 (1.5); 2.0348 (0.7); 1.9900 (0.6); 1.1759 (0.4); 1.0341 (2.4); 1.0255 (5.8); 1.0211 (5.8); 1.0175 (3.2); 1.0127 (3.3); 1.0086 (5.4); 1.0042 (5.4); 0.9960 (2.0); 0.8237 (0.4); 0.8130 (0.5); 0.7937 (2.7); 0.7854 (6.6); 0.7813 (6.5); 0.7753 (6.2); 0.7712 (6.0); 0.7622 (1.8)

1-029: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 8.7017 (8.2); 8.6822 (0.4); 8.6150 (16.0); 8.1049 (5.4); 8.1005 (8.6); 8.0962 (5.2); 8.0833 (0.5); 7.7696 (1.4); 7.7437 (4.2); 7.7183 (9.1); 7.6944 (5.6); 7.6687 (1.9); 7.6356 (3.6); 7.6090 (2.1); 7.2299 (7.3); 4.0835 (0.4); 4.0598 (0.9); 4.0362 (0.9); 4.0126 (0.4); 3.5263 (0.4); 3.4997 (0.4); 3.4710 (0.4); 3.4452 (0.4); 3.4323 (0.4); 3.3829 (0.4); 3.3265 (0.4); 2.5831 (0.4); 2.5341 (6.1); 2.5284 (11.2); 2.5224 (14.1); 2.5165 (9.7); 2.1057 (0.5); 2.0088 (3.5); 1.9293 (1.9); 1.3751 (1.0); 1.2838 (0.3); 1.2536 (1.2); 1.2174 (1.1); 1.1937 (2.0); 1.1700 (1.0); 0.0187 (3.2); 0.0077 (0.4); −0.0393 (1.5)

1-030: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 8.0139 (9.2); 7.7429 (0.8); 7.7169 (2.4); 7.6915 (2.4); 7.6678 (3.0); 7.6430 (4.7); 7.5644 (2.0); 7.5380 (1.5); 3.0021 (1.8); 2.9768 (5.6); 2.9515 (5.7); 2.9263 (1.9); 2.5341 (2.3); 2.5281 (4.7); 2.5221 (6.5); 2.5161 (4.7); 2.5102 (2.2); 2.0085 (0.5); 1.9290 (0.4); 1.3136 (7.2); 1.2884 (16.0); 1.2631 (6.9); 0.0182 (7.1); −0.0419 (1.3)

1-031: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 8.3847 (16.0); 8.3052 (2.0); 8.2779 (4.0); 8.2524 (2.4); 8.1524 (0.6); 7.8268 (5.3); 7.8021 (4.7); 7.6860 (4.6); 7.6582 (4.2); 4.0602 (0.4); 4.0364 (0.4); 2.5341 (3.6); 2.5281 (7.7); 2.5220 (10.6); 2.5159 (7.7); 2.5100 (3.7); 2.0087 (1.6); 1.2175 (0.4); 1.1937 (0.9); 1.1700 (0.4); 0.0295 (0.5); 0.0187 (13.3); 0.0077 (0.5)

1-033: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 7.3477 (0.7); 7.3458 (0.7); 7.3312 (1.8); 7.3180 (0.5); 7.3142 (1.3); 7.2703 (0.4); 7.2341 (3.4); 7.2310 (4.1); 7.2277 (1.7); 7.2192 (1.1); 7.2174 (1.2); 7.2155 (1.0); 7.2135 (0.8); 7.1244 (1.0); 7.1211 (1.5); 7.1178 (1.0); 7.1079 (0.9); 7.1060 (1.0); 7.1034 (1.0); 7.1015 (1.0); 4.0266 (0.5); 4.0054 (16.0); 2.4132 (15.4); 2.3714 (0.5); 2.0396 (0.6); 1.7227 (0.4); 1.2683 (0.4); 1.2628 (0.6); 1.2542 (0.6); 0.8930 (0.4); 0.8794 (1.0); 0.8651 (0.5); −0.0002 (0.4)

1-034: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.9312 (0.5); 8.7218 (5.7); 7.6865 (0.4); 7.6605 (1.5); 7.6368 (4.5); 7.6136 (0.6); 7.5818 (2.3); 7.5362 (1.0); 7.5285 (1.6); 7.5213 (0.9); 7.5058 (1.0); 7.2986 (8.3); 7.1162 (0.3); 4.1844 (0.7); 4.1606 (0.8); 3.8821 (0.4); 2.8702 (16.0); 2.6686 (1.2); 2.1970 (2.5); 2.1014 (3.4); 1.9497 (0.5); 1.6815 (0.4); 1.4679 (0.4); 1.4314 (0.3); 1.4067 (0.5); 1.3816 (0.5); 1.3593 (0.8); 1.3319 (0.6); 1.3261 (1.1); 1.3023 (2.0); 1.2902 (0.4); 1.2784 (1.0); 0.9825 (1.0); 0.9582 (1.8); 0.9340 (0.8); 0.1065 (0.7); 0.0352 (8.0); 0.0243 (0.4)

1-035: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.7672 (4.6); 7.5697 (1.0); 7.5431 (1.7); 7.5290 (2.2); 7.5215 (1.8); 7.4764 (0.8); 7.4707 (1.1); 7.4641 (0.7); 7.4453 (0.7); 7.2990 (5.2); 5.3887 (0.4); 5.3679 (1.0); 5.3470 (1.3); 5.3261 (1.0); 5.3053 (0.4); 3.1003 (1.0); 3.0749 (3.3); 3.0496 (3.4); 3.0243 (1.2); 1.6181 (9.2); 1.4489 (4.2); 1.4341 (16.0); 1.4236 (8.8); 1.4132 (15.9); 1.3982 (3.9); 0.1066 (1.2); 0.0359 (4.9)

1-037: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 7.3284 (1.1); 7.3025 (2.6); 7.2763 (1.6); 6.9713 (1.7); 6.9453 (1.6); 6.9167 (1.2); 6.9137 (1.3); 6.9088 (1.7); 6.9058 (1.5); 6.8794 (3.8); 6.8741 (2.7); 2.5667 (15.0); 2.5339 (2.5); 2.5280 (5.0); 2.5219 (7.0); 2.5158 (5.1); 2.5099 (2.5); 2.3802 (0.5); 2.3081 (14.9); 2.0993 (0.8); 1.9884 (0.7); 1.9772 (0.7); 1.9722 (0.6); 1.9606 (1.4); 1.9440 (0.9); 1.9294 (16.0); 1.9172 (0.7); 1.0060 (0.9); 0.9915 (2.4); 0.9840 (2.7); 0.9783 (1.4); 0.9704 (1.5); 0.9634 (2.6); 0.9560 (2.5); 0.9426 (1.1); 0.7213 (1.1); 0.7075 (2.6); 0.7043 (2.3); 0.7005 (2.9); 0.6909 (2.6); 0.6839 (2.9); 0.6689 (0.9); 0.0689 (0.8); 0.0203 (9.0); 0.0094 (0.4)

1-038: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 7.7702 (0.8); 7.7434 (2.8); 7.7162 (4.7); 7.7082 (4.7); 7.6845 (6.1); 7.6111 (2.9); 7.5856 (1.9); 4.4847 (2.5); 4.4615 (8.0); 4.4383 (8.2); 4.4152 (2.6); 2.5402 (5.1); 2.5347 (6.6); 2.5291 (4.9); 2.1077 (0.8); 1.4582 (7.9); 1.4350 (16.0); 1.4118 (7.7); 0.0305 (5.0)

1-039: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.0165 (5.2); 7.5853 (1.0); 7.5593 (2.0); 7.5527 (1.6); 7.5470 (1.9); 7.5370 (1.8); 7.4918 (0.7); 7.4850 (1.1); 7.4782 (0.6); 7.4654 (0.4); 7.4598 (0.6); 7.2985 (4.6); 7.1094 (1.0); 7.0725 (1.2); 7.0501 (1.2); 7.0133 (1.2); 6.2880 (2.3); 6.2288 (2.0); 5.7406 (2.3); 5.7037 (2.1); 5.4053 (0.4); 5.3845 (1.0); 5.3636 (1.4); 5.3427 (1.0); 5.3219 (0.4); 1.6133 (1.8); 1.4481 (16.0); 1.4272 (15.8); 0.0363 (4.3)

1-040: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 7.8912 (5.7); 7.3097 (1.3); 7.2902 (2.8); 7.2706 (1.7); 6.9569 (2.0); 6.9376 (1.9); 6.9046 (1.9); 6.8752 (3.4); 2.6079 (16.0); 2.5101 (2.7); 1.9793 (0.3); 1.9665 (0.7); 1.9580 (0.9); 1.9458 (1.4); 1.9335 (1.0); 1.9250 (0.9); 1.9123 (0.4); 0.9823 (0.8); 0.9712 (2.4); 0.9660 (2.8); 0.9504 (2.7); 0.9453 (2.8); 0.9351 (1.2); 0.7049 (1.0); 0.6935 (3.0); 0.6899 (3.2); 0.6818 (3.0); 0.6774 (3.3); 0.6659 (1.0)

1-041: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.8520 (4.3); 7.5819 (0.6); 7.5583 (1.4); 7.5372 (1.4); 7.5170 (0.7); 7.3531 (0.7); 7.3263 (1.1); 7.2986 (2.2); 4.0423 (16.0); 2.7528 (14.2); 1.2898 (0.5); 0.0335 (1.6)

1-042: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.3686 (0.8); 7.3420 (2.0); 7.3153 (1.4); 7.3147 (1.4); 7.2987 (1.1); 7.2644 (0.9); 7.2579 (1.9); 7.2513 (1.4); 7.2398 (1.1); 7.2362 (1.4); 7.2337 (0.9); 7.2298 (0.8); 7.2132 (0.7); 7.2097 (0.7); 7.2068 (0.6); 7.2033 (0.5); 7.1579 (1.0); 7.1542 (0.9); 7.1504 (0.9); 7.1469 (0.8); 7.1308 (0.7); 7.1273 (0.7); 7.1231 (0.7); 7.1197 (0.6); 4.0279 (0.5); 4.0261 (0.5); 4.0170 (16.0); 4.0079 (0.9); 2.6590 (12.4); 2.6426 (0.5); 2.3363 (12.3); 2.3225 (0.6); 1.7379 (2.0); 1.2966 (0.4); 1.2893 (0.4); 0.9120 (0.4); 0.0307 (0.8)

1-043: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 7.9195 (16.0); 7.7070 (2.1); 7.6877 (5.3); 7.6679 (4.5); 7.6347 (6.0); 7.6031 (7.9); 7.5251 (4.2); 7.5050 (3.6); 4.0031 (0.3); 3.3797 (1.1); 3.3371 (1.2); 2.5098 (7.0); 2.3668 (0.8); 2.3544 (1.8); 2.3460 (2.2); 2.3338 (3.6); 2.3219 (2.4); 2.3137 (2.1); 2.3014 (1.1); 1.1157 (1.5); 1.1036 (4.1); 1.0975 (7.0); 1.0901 (4.4); 1.0829 (4.6); 1.0773 (7.0); 1.0697 (3.7); 1.0559 (1.5); 1.0430 (3.3); 1.0352 (7.4); 1.0301 (7.4); 1.0232 (8.0); 1.0174 (6.1); 1.0055 (2.2)

1-044: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 8.2409 (16.0); 8.1115 (0.6); 7.9405 (1.1); 7.8747 (1.8); 7.8503 (3.7); 7.8227 (2.3); 7.8127 (2.0); 7.7868 (3.6); 7.7656 (2.3); 7.5853 (2.5); 7.5587 (4.1); 7.5321 (1.8); 4.1145 (0.5); 4.0839 (0.4); 4.0726

TABLE 4-continued

(1.0); 4.0489 (1.0); 3.5064 (0.4); 3.3515 (0.6); 3.3099 (0.5); 3.0723 (1.7); 3.0521 (0.7); 3.0411 (0.5); 3.0096 (0.3); 2.9228 (1.8); 2.8928 (0.7); 2.8579 (0.4); 2.7637 (1.5); 2.5463 (9.6); 2.5404 (20.1); 2.5343 (27.5); 2.5283 (19.6); 2.5224 (9.0); 2.0211 (3.9); 1.3872 (0.8); 1.2914 (0.5); 1.2660 (1.1); 1.2300 (1.3); 1.2062 (2.6); 1.2012 (1.1); 1.1825 (1.2); 0.1641 (0.4); 0.1162 (0.4); 0.0419 (0.5); 0.0310 (14.4); 0.0201 (0.6)

1-045: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.8837 (5.5); 7.4257 (2.7); 7.4229 (2.9); 7.4137 (1.5); 7.4095 (2.0); 7.4066 (2.2); 7.4050 (2.1); 7.3802 (1.6); 7.3754 (1.5); 7.3722 (1.4); 7.2987 (3.2); 7.2777 (0.9); 7.2693 (0.8); 7.2661 (0.7); 7.2581 (0.8); 7.2518 (0.6); 7.2466 (0.6); 7.2385 (0.5); 5.3876 (0.4); 5.3668 (1.0); 5.3459 (1.4); 5.3250 (1.0); 5.3042 (0.4); 3.1337 (4.6); 1.6009 (4.7); 1.4411 (16.0); 1.4203 (15.8); 0.0368 (3.7)

1-046: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.6042 (0.4); 7.5790 (1.6); 7.5575 (4.1); 7.5025 (2.2); 7.4823 (0.3); 7.4642 (1.0); 7.4556 (1.4); 7.4482 (1.0); 7.4341 (0.9); 7.2967 (3.9); 4.2444 (0.9); 4.1624 (15.6); 4.0647 (16.0); 1.5933 (3.9); 1.2906 (1.1); 0.0346 (3.8)

1-047: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 7.9753 (5.2); 7.6683 (0.6); 7.5512 (0.8); 7.5390 (1.8); 7.5259 (2.2); 7.5122 (1.1); 7.3323 (1.0); 7.3162 (1.8); 7.3001 (0.8); 7.2636 (1.5); 7.0994 (0.4); 4.0289 (16.0); 3.1503 (0.4); 2.9572 (1.4); 2.9112 (0.4); 2.8836 (1.2); −0.0002 (1.2)

1-048: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 8.2321 (16.0); 7.5551 (8.5); 7.5506 (6.0); 7.5092 (3.4); 7.4888 (6.3); 7.4574 (4.8); 7.4373 (7.6); 7.4173 (3.5); 7.3037 (4.4); 7.3012 (4.4); 7.2836 (3.6); 7.2812 (3.6); 2.5097 (2.3)

1-049: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 7.5658 (1.2); 7.5527 (3.4); 7.5398 (0.3); 7.4911 (1.5); 7.4397 (0.6); 7.4346 (1.1); 7.4303 (0.8); 7.4280 (0.5); 7.4258 (0.5); 7.4218 (0.7); 7.4171 (0.4); 7.2620 (0.9); 4.1764 (0.4); 4.0726 (1.0); 4.0590 (16.0); 3.9974 (0.4); −0.0002 (0.8)

1-050: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 8.6812 (1.0); 8.6207 (2.3); 8.1045 (0.6); 8.1000 (1.0); 8.0954 (0.6); 7.7447 (0.5); 7.7179 (1.0); 7.6933 (0.6); 7.6318 (0.4); 7.2260 (0.8); 5.2581 (0.4); 5.2373 (0.5); 5.2165 (0.4); 3.3506 (16.0); 2.5342 (1.0); 2.5283 (2.2); 2.5222 (3.0); 2.5162 (2.1); 2.5102 (1.0); 1.3599 (5.9); 1.3391 (5.8); 0.0194 (0.8)

1-051: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 8.3714 (6.2); 8.3653 (6.3); 8.3270 (6.0); 8.3186 (6.1); 8.2572 (16.0); 7.4202 (3.8); 7.4128 (6.0); 7.4055 (3.8); 5.7785 (1.2); 3.4711 (0.4); 3.4031 (0.5); 3.3840 (0.5); 3.2446 (0.4); 2.5341 (4.0); 2.5282 (8.4); 2.5222 (11.5); 2.5162 (8.4); 2.5103 (4.1); 2.0860 (0.6); 2.0692 (1.3); 2.0578 (1.5); 2.0412 (2.7); 2.0246 (1.6); 2.0132 (1.6); 1.9965 (0.8); 1.1944 (0.4); 1.0786 (1.6); 1.0637 (4.4); 1.0562 (5.0); 1.0424 (2.7); 1.0356 (4.6); 1.0281 (4.5); 1.0146 (2.0); 0.8207 (2.0); 0.8066 (5.2); 0.7998 (5.3); 0.7903 (4.9); 0.7833 (5.6); 0.7678 (1.6); 0.0306 (0.4); 0.0197 (10.2); 0.0086 (0.5)

1-052: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 7.5717 (0.3); 7.5706 (0.3); 7.5562 (1.2); 7.5436 (3.3); 7.4786 (1.5); 7.4294 (0.6); 7.4239 (1.1); 7.4197 (0.8); 7.4157 (0.5); 7.4107 (0.7); 7.4065 (0.4); 7.2606 (2.2); 4.1428 (0.3); 4.0748 (1.1); 4.0582 (16.0); 3.9978 (0.3); 1.5556 (2.7); −0.0002 (2.2)

1-053: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 8.9232 (0.6); 8.8705 (5.1); 8.7368 (2.9); 8.7204 (3.0); 8.4955 (7.6); 8.2803 (0.8); 7.7880 (2.9); 7.7717 (2.8); 7.5349 (0.5); 7.5222 (0.6); 7.5125 (0.7); 7.5007 (1.1); 7.4928 (0.7); 7.4881 (0.7); 7.4767 (1.1); 7.4667 (0.8); 7.4573 (0.6); 7.4433 (0.6); 7.4263 (0.5); 7.4155 (0.5); 7.3993 (3.2); 7.3863 (3.8); 7.3754 (2.0); 7.3637 (1.0); 7.3344 (0.4); 4.0845 (0.6); 4.0607 (1.8); 4.0370 (1.9); 4.0133 (0.7); 3.3635 (0.5); 3.1890 (0.3); 2.5342 (2.7); 2.5284 (5.7); 2.5224 (7.9); 2.5164 (5.9); 2.5106 (3.0); 2.0085 (8.3); 1.9293 (3.1); 1.2178 (2.2); 1.1941 (4.2); 1.1704 (2.1); 1.0893 (16.0); 0.0186 (4.4)

1-054: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 9.0517 (0.4); 7.7345 (1.3); 7.7085 (3.8); 7.6823 (4.2); 7.6629 (4.6); 7.6369 (2.0); 7.5787 (4.9); 7.5312 (3.5); 7.5052 (2.6); 7.4437 (0.6); 7.4262 (0.6); 7.4087 (0.8); 7.2862 (0.4); 7.1165 (0.4); 4.0613 (0.7); 4.0376 (0.7); 3.3468 (0.5); 3.1893 (0.3); 2.9676 (2.1); 2.9428 (6.4); 2.9179 (6.5); 2.8932 (2.2); 2.5344 (4.8); 2.5285 (9.6); 2.5224 (12.8); 2.5164 (9.0); 2.5107 (4.0); 2.3794 (1.5); 2.3375 (25.8); 2.0950 (0.5); 2.0091 (2.8); 1.2909 (7.8); 1.2661 (16.0); 1.2413 (7.2); 1.2184 (0.8); 1.1947 (1.5); 1.1709 (0.7); 0.0304 (0.7); 0.0196 (13.8); 0.0086 (0.4); −0.0406 (1.0)

1-055: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5959 (0.6); 7.5745 (1.0); 7.5523 (0.6); 7.5012 (0.5); 7.4763 (1.2); 7.4523 (0.8); 7.3728 (1.0); 7.3476 (1.2); 7.3198 (0.5); 7.2988 (7.5); 7.1046 (0.9); 6.9353 (0.6); 6.9223 (1.9); 6.7399 (0.9); 4.1162 (3.5); 4.1049 (16.0); 4.0922 (1.0); 4.0670 (0.6); 4.0386 (0.3); 1.6176 (0.4); 1.5935 (5.8); 1.3870 (0.4); 1.2929 (0.4); 0.1077 (2.1); 0.0374 (6.9); 0.0265 (0.3)

1-056: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.9045 (4.4); 7.4588 (0.3); 7.4443 (0.4); 7.4349 (2.3); 7.4061 (2.6); 7.3729 (0.4); 7.3508 (1.9); 7.3245 (4.0); 7.2984 (19.6); 7.0244 (4.2); 7.0162 (3.3); 7.0044 (3.0); 6.9980 (3.2); 6.9899 (2.2); 6.9865 (2.2); 6.9762 (1.3); 6.9373 (2.6); 6.9311 (3.2); 6.9243 (1.8); 6.8304 (1.8); 6.8210 (1.6); 6.8080 (0.4); 4.5949 (0.7); 4.5870 (2.4); 4.5817 (0.8); 4.5632 (7.1); 4.5394 (7.2); 4.5313 (1.5); 4.5157 (2.6); 4.5074 (3.3); 4.4836 (3.2); 4.4598 (1.1); 2.2702 (0.4); 2.2594 (0.4); 2.2419 (0.8); 2.2255 (0.4); 2.2138 (0.4); 1.9860 (0.4); 1.9691 (0.9); 1.9578 (1.0); 1.9412 (1.8); 1.9245 (1.1); 1.9132 (1.0); 1.8962 (0.5); 1.6190 (0.3); 1.5864 (14.6); 1.5204 (0.6); 1.4963 (1.6); 1.4869 (8.1); 1.4787 (4.3); 1.4721 (2.3); 1.4631 (16.0); 1.4550 (7.8); 1.4485 (1.6); 1.4394 (7.8); 1.4312 (3.7); 1.3021 (1.3); 1.2969 (1.0); 1.2736 (0.4); 1.0913 (0.7); 1.0756 (1.7); 1.0697 (1.7); 1.0634 (1.1); 1.0544 (1.3); 1.0460 (2.6); 1.0416 (2.0); 1.0301 (3.3); 1.0234 (3.6); 1.0083 (2.0); 1.0017 (3.3); 0.9951 (2.8); 0.9804 (1.5); 0.7653 (1.6); 0.7499 (4.0); 0.7436 (3.8); 0.7334 (3.7); 0.7272 (5.4); 0.7112 (2.4); 0.7039 (2.1); 0.6872 (0.6); 0.1081 (0.4); 0.0488 (0.8); 0.0381 (17.7); 0.0272 (0.7)

1-057: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.4033 (16.0); 7.6856 (0.8); 7.6598 (4.2); 7.6407 (10.8); 7.6374 (10.2); 7.5838 (5.3); 7.5494 (0.9); 7.5427 (0.8); 7.5336 (2.2); 7.5228 (3.1); 7.5156 (2.8); 7.5028 (2.2); 7.4954 (1.5); 7.3906 (0.4); 7.3742 (0.4); 7.3606 (0.3); 7.2986 (62.6); 6.9476 (0.3); 5.0308 (0.4); 4.0812 (0.5); 3.8943 (0.6); 3.8725 (0.7); 3.7159 (1.1); 3.6788 (1.7); 3.6611 (1.0); 3.5391 (0.7); 3.4838 (0.4); 3.4479 (0.3); 3.2596 (0.4); 3.2174 (1.2); 3.1656 (0.6); 3.0881 (0.6); 3.0787 (0.6); 3.0061 (0.4); 2.9309 (1.1); 2.1975 (0.9); 2.0977 (0.7); 1.4829 (0.4); 1.4699 (2.7); 1.4486 (0.3); 1.4286 (0.3); 1.3620 (0.4); 1.2922 (3.3); 1.2760 (0.8); 1.2506 (0.5); 0.9162 (0.4); 0.1071 (14.1); 0.0947 (0.6); 0.0479 (2.0); 0.0372 (44.4); 0.0263 (1.8)

TABLE 4-continued

1-058: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.8995 (5.5); 7.5887 (0.6); 7.2987 (3.4); 7.1384 (0.3); 7.1201 (1.3); 7.1163 (1.4); 7.1109 (2.2); 7.0931 (3.4); 7.0661 (0.3); 6.8539 (0.6); 6.8451 (0.7); 6.8314 (1.0); 6.8215 (0.8); 6.8166 (1.1); 6.8003 (0.4); 5.4035 (0.4); 5.3827 (1.0); 5.3618 (1.4); 5.3409 (1.0); 5.3201 (0.4); 2.1478 (0.4); 2.1369 (0.5); 2.1304 (0.4); 2.1196 (0.9); 2.1087 (0.4); 2.1021 (0.6); 2.0914 (0.5); 1.6022 (2.8); 1.4751 (1.8); 1.4579 (16.0); 1.4371 (15.5); 1.0643 (0.7); 1.0492 (1.6); 1.0423 (1.7); 1.0362 (0.9); 1.0329 (0.7); 1.0275 (1.2); 1.0206 (1.8); 1.0138 (1.6); 0.9993 (0.9); 0.8139 (0.8); 0.7990 (1.9); 0.7929 (1.8); 0.7818 (1.8); 0.7764 (1.9); 0.7645 (0.6); 0.7597 (0.9); 0.7476 (0.4); 0.7418 (0.4); 0.0381 (3.4)
1-059: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.2245 (5.3); 7.6379 (1.1); 7.6167 (3.3); 7.5953 (0.4); 7.5685 (1.5); 7.5201 (0.7); 7.5109 (1.1); 7.5036 (0.7); 7.4971 (0.4); 7.4889 (0.6); 7.4819 (0.4); 7.2985 (6.2); 5.4415 (0.4); 5.4205 (1.0); 5.3996 (1.4); 5.3788 (1.0); 5.3580 (0.4); 4.0917 (0.4); 2.9951 (0.5); 2.9228 (0.4); 1.5930 (1.9); 1.4811 (16.0); 1.4602 (15.9); 0.1074 (0.9); 0.0368 (5.0)
1-060: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 7.5495 (1.9); 7.5340 (7.4); 7.5182 (13.7); 7.4997 (2.3); 7.4695 (10.2); 7.4209 (5.8); 7.4062 (4.7); 7.3878 (0.6); 7.2606 (11.5); 5.2971 (0.7); 4.5407 (0.6); 4.5266 (1.8); 4.5125 (2.4); 4.5021 (5.8); 4.4879 (16.0); 4.4736 (15.8); 4.4594 (5.2); 4.3889 (5.0); 4.3749 (15.5); 4.3610 (15.6); 4.3471 (5.2); 1.5548 (14.0); 1.5088 (16.0); 1.4948 (31.9); 1.4808 (15.7); 1.4563 (2.0); 1.4497 (2.1); 1.4423 (4.0); 1.4354 (3.9); 1.4214 (17.8); 1.4071 (32.0); 1.3928 (15.8); 1.2776 (0.4); 1.2571 (1.2); −0.0002 (11.5)
1-061: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.8527 (4.8); 7.8448 (0.7); 7.4713 (1.5); 7.3465 (0.9); 7.3329 (0.6); 7.3203 (1.7); 7.3065 (0.4); 7.2983 (1.8); 7.2940 (1.3); 7.0217 (1.2); 7.0137 (1.9); 7.0082 (1.4); 6.9977 (1.0); 6.9945 (1.0); 6.9866 (1.6); 6.9832 (1.3); 6.9467 (1.3); 6.9404 (1.7); 6.9331 (1.1); 6.9253 (0.5); 5.3803 (0.4); 5.3706 (0.3); 5.3595 (1.0); 5.3497 (0.4); 5.3387 (1.3); 5.3309 (0.7); 5.3178 (1.0); 5.2970 (0.4); 1.9690 (0.5); 1.9576 (0.5); 1.9410 (0.9); 1.9242 (0.5); 1.9131 (0.5); 1.6409 (2.4); 1.4629 (2.6); 1.4591 (4.6); 1.4361 (16.0); 1.4151 (14.5); 1.4033 (0.6); 1.3822 (0.4); 1.0347 (0.9); 1.0296 (0.6); 1.0194 (1.5); 1.0125 (1.7); 1.0096 (1.3); 0.9978 (1.0); 0.9910 (1.6); 0.9847 (1.4); 0.9697 (0.8); 0.7664 (0.9); 0.7513 (2.3); 0.7453 (2.0); 0.7348 (1.8); 0.7290 (2.4); 0.7126 (0.7); 0.0368 (1.6)
1-062: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 8.3065 (16.0); 8.1039 (1.2); 7.7140 (1.2); 7.6870 (2.5); 7.6596 (1.8); 7.6421 (1.3); 7.6195 (2.5); 7.5986 (1.6); 7.4977 (2.4); 7.4826 (3.1); 7.4711 (3.4); 7.4442 (1.3); 7.3027 (5.4); 7.1228 (2.7); 4.0602 (1.0); 4.0365 (1.0); 4.0127 (0.4); 3.4910 (0.3); 2.5341 (3.0); 2.5282 (6.4); 2.5221 (8.9); 2.5160 (6.6); 2.5101 (3.2); 2.0087 (4.4); 1.9291 (1.1); 1.2176 (1.2); 1.1939 (2.4); 1.1701 (1.2); 1.1561 (0.5); 0.0186 (9.5); 0.0076 (0.5); −0.0425 (2.0)
1-063: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 8.7017 (1.3); 8.6952 (1.5); 8.6861 (6.0); 8.6850 (5.6); 8.6797 (6.3); 8.6674 (1.4); 8.6596 (1.4); 8.6268 (5.9); 8.6189 (6.2); 8.3059 (16.0); 8.2818 (0.9); 8.2749 (1.4); 8.2674 (0.8); 8.2297 (4.5); 8.2230 (6.4); 8.2154 (4.1); 8.1457 (0.4); 8.0647 (0.3); 8.0472 (3.3); 5.7778 (0.4); 4.0597 (0.5); 4.0360 (0.4); 3.1873 (0.4); 2.5611 (14.4); 2.5339 (3.5); 2.5279 (7.4); 2.5218 (10.0); 2.5158 (7.2); 2.5099 (3.3); 2.0085 (1.8); 1.9286 (1.0); 1.2173 (0.5); 1.1936 (1.0); 1.1698 (0.5); 0.0294 (0.5); 0.0186 (13.5); 0.0093 (0.4); 0.0076 (0.5)
1-064: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.6140 (0.6); 7.5922 (1.2); 7.5698 (1.5); 7.5467 (0.7); 7.3813 (0.7); 7.3551 (1.0); 7.3275 (0.4); 7.2990 (6.7); 4.1179 (2.2); 4.1089 (16.0); 1.6002 (1.0); 1.2938 (0.6); 1.2737 (0.9); 1.2678 (0.4); 0.9187 (0.4); 0.0367 (6.7)
1-065: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.2986 (6.2); 7.1237 (0.4); 7.1045 (1.4); 7.0965 (2.2); 7.0911 (2.7); 7.0769 (1.8); 7.0728 (2.5); 7.0454 (0.5); 6.8423 (0.3); 6.8363 (0.7); 6.8284 (0.8); 6.8208 (0.5); 6.8141 (1.1); 6.8033 (0.8); 6.7976 (0.8); 6.7828 (0.5); 5.8161 (0.4); 5.4585 (0.4); 5.4377 (1.0); 5.4168 (1.4); 5.3959 (1.1); 5.3751 (0.4); 2.6527 (8.2); 2.4601 (15.6); 2.4508 (2.3); 2.1444 (0.5); 2.1331 (0.6); 2.1162 (1.0); 2.0996 (0.7); 2.0878 (0.6); 2.0711 (0.3); 1.6184 (0.6); 1.4808 (1.7); 1.4701 (0.6); 1.4552 (16.0); 1.4343 (15.6); 1.4130 (0.5); 1.3921 (0.4); 1.2935 (0.4); 1.0594 (0.8); 1.0441 (1.9); 1.0373 (2.0); 1.0312 (1.4); 1.0226 (1.5); 1.0155 (2.0); 1.0091 (1.8); 0.9945 (1.1); 0.8051 (1.0); 0.7901 (2.2); 0.7840 (2.1); 0.7732 (2.0); 0.7670 (2.3); 0.7574 (0.7); 0.7509 (0.8); 0.7410 (0.5); 0.1079 (1.1); 0.0374 (5.2)
1-066: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 8.1443 (5.2); 7.5649 (0.5); 7.5494 (1.7); 7.5338 (2.0); 7.5254 (2.4); 7.5099 (0.9); 7.4936 (2.5); 7.4298 (1.5); 7.4146 (1.2); 7.2672 (0.5); 5.3302 (0.5); 5.3177 (1.2); 5.3052 (1.6); 5.2927 (1.2); 5.2802 (0.5); 1.6345 (0.4); 1.4002 (15.4); 1.3876 (16.0); −0.0002 (0.5)
1-067: ^{1}H-NMR(499.9 MHz, d_6-DMSO):
δ = 8.0179 (6.6); 7.7953 (0.7); 7.7804 (1.4); 7.7656 (0.8); 7.7208 (0.7); 7.7069 (1.2); 7.6936 (0.8); 7.5189 (1.0); 7.5027 (1.6); 7.4865 (0.7); 2.6214 (16.0); 2.5058 (0.4); 1.3515 (0.9)
1-068: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5329 (0.7); 7.5066 (2.3); 7.4812 (1.9); 7.4459 (2.0); 7.4053 (2.3); 7.3599 (1.4); 7.3323 (1.0); 7.3067 (6.2); 5.5646 (0.3); 5.3280 (0.5); 5.3072 (1.1); 5.2864 (1.5); 5.2656 (1.1); 5.2448 (0.5); 2.6875 (0.5); 2.6772 (0.8); 2.6664 (1.0); 2.6556 (0.8); 2.6452 (0.6); 1.4524 (1.3); 1.4316 (1.4); 1.3492 (16.0); 1.3284 (16.0); 1.2987 (0.9); 0.9515 (0.6); 0.9288 (2.4); 0.9120 (2.5); 0.8904 (0.8); 0.6958 (0.8); 0.6800 (2.2); 0.6733 (2.6); 0.6461 (0.6); 0.0441 (6.0)
1-069: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5879 (2.7); 7.5816 (2.7); 7.5680 (4.8); 7.5440 (1.0); 7.5233 (2.8); 7.4797 (1.5); 7.4738 (1.8); 7.4668 (1.3); 7.4568 (1.2); 7.4512 (1.3); 7.3127 (0.4); 7.3003 (1.4); 7.2951 (2.7); 6.8372 (0.6); 6.8321 (1.1); 6.7932 (1.5); 6.7782 (0.7); 6.7731 (1.3); 6.7491 (0.5); 6.7393 (0.8); 6.7342 (1.5); 6.3408 (0.5); 6.2819 (0.4); 5.9556 (1.8); 5.9503 (2.7); 5.9177 (0.9); 5.8952 (3.8); 5.8562 (2.3); 4.0582 (2.1); 4.0531 (3.5); 4.0245 (2.2); 4.0128 (8.4); 4.0078 (16.0); 1.6205 (0.5); 1.6087 (2.0); 1.6040 (3.6); 0.0493 (0.4); 0.0377 (1.3); 0.0326 (2.6)
1-070: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 7.7089 (0.7); 7.6892 (2.0); 7.6694 (1.7); 7.6395 (2.0); 7.6200 (1.1); 7.5614 (2.6); 7.5153 (1.4); 7.4954 (1.1); 2.5592 (16.4); 2.5156 (2.0); 2.5112 (4.2); 2.5069 (5.7); 2.5024 (4.1); 2.4983 (2.0); 2.3154 (0.5); 2.3022 (16.0); 0.0008 (4.3)

TABLE 4-continued

1-071: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.0795 (5.2); 8.0524 (0.7); 8.0253 (1.4); 7.9997 (0.8); 7.5587 (1.8); 7.5339 (1.6); 7.4377 (1.6); 7.4100 (1.4); 7.2985 (4.0); 5.3364 (0.5); 4.0608 (0.7); 3.8576 (16.0); 3.1416 (0.5); 1.6031 (4.4); 0.1054 (0.8); 0.0349 (3.5)
1-072: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.2043 (5.1); 7.5859 (1.0); 7.5595 (2.0); 7.5517 (1.6); 7.5471 (1.5); 7.5332 (2.0); 7.4915 (0.8); 7.4854 (1.1); 7.4788 (0.6); 7.4604 (0.6); 7.2986 (5.3); 5.6409 (2.3); 5.6325 (2.4); 5.4040 (0.4); 5.3831 (1.0); 5.3623 (1.4); 5.3414 (1.0); 5.3205 (0.4); 4.5051 (2.0); 4.4967 (2.0); 4.0863 (0.9); 4.0630 (3.0); 4.0397 (3.1); 4.0164 (1.0); 1.5943 (5.2); 1.5232 (3.4); 1.5000 (7.1); 1.4767 (3.4); 1.4479 (16.0); 1.4270 (15.8); 1.4090 (0.3); 1.3594 (0.3); 0.9838 (0.4); 0.9596 (0.8); 0.9353 (0.3); 0.1073 (0.3); 0.0366 (5.2)
1-073: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.2988 (4.3); 7.1128 (1.7); 7.1047 (2.2); 7.1007 (1.8); 7.0872 (3.4); 6.8630 (0.6); 6.8544 (0.6); 6.8408 (1.0); 6.8275 (0.7); 6.8096 (0.4); 5.4799 (0.4); 5.4591 (1.0); 5.4382 (1.3); 5.4173 (1.0); 5.3964 (0.4); 2.1481 (0.4); 2.1370 (0.5); 2.1198 (0.8); 2.1026 (0.5); 2.0916 (0.4); 1.6711 (0.8); 1.6615 (0.8); 1.4937 (1.8); 1.4714 (16.0); 1.4505 (14.9); 1.0727 (0.6); 1.0574 (1.7); 1.0507 (1.7); 1.0447 (0.9); 1.0358 (1.0); 1.0288 (1.8); 1.0222 (1.5); 1.0076 (0.7); 0.8119 (0.8); 0.7969 (1.9); 0.7906 (1.9); 0.7799 (1.7); 0.7741 (1.9); 0.7577 (0.6); 0.1078 (0.4); 0.0371 (4.0)
1-074: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 8.8704 (1.4); 8.7420 (0.8); 8.7256 (0.9); 8.5221 (1.8); 7.7842 (0.8); 7.7678 (0.8); 7.5120 (0.3); 7.5003 (0.5); 7.4760 (0.4); 7.4015 (0.9); 7.3882 (1.1); 7.3775 (0.7); 7.3634 (0.4); 5.2782 (0.4); 5.2574 (0.5); 5.2366 (0.4); 3.5844 (11.6); 3.3825 (10.1); 2.5285 (0.7); 2.5227 (1.0); 2.5168 (0.7); 2.0055 (0.6); 1.3829 (5.1); 1.3621 (5.1); 1.3484 (0.8); 1.1907 (0.4); 1.1746 (1.4); 1.0877 (16.0); 0.8961 (1.1); 0.0127 (0.4)
1-075: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.5413 (5.4); 7.6421 (1.0); 7.6171 (2.8); 7.6120 (1.5); 7.5933 (0.4); 7.5691 (1.4); 7.5270 (0.6); 7.5198 (1.1); 7.5126 (0.6); 7.5054 (0.4); 7.5027 (0.4); 7.4969 (0.6); 7.4894 (0.3); 7.2986 (3.4); 5.4233 (0.4); 5.4024 (1.0); 5.3815 (1.3); 5.3606 (1.0); 5.3398 (0.4); 2.8540 (16.0); 2.0810 (0.9); 1.6089 (0.5); 1.4674 (15.9); 1.4465 (15.4); 1.4330 (0.5); 1.4068 (0.4); 1.3808 (0.3); 1.3581 (0.6); 1.3309 (0.4); 1.3048 (0.3); 1.2945 (0.7); 0.9818 (0.7); 0.9576 (1.4); 0.9333 (0.6); 0.0342 (3.1)
1-076: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.3788 (3.8); 8.3722 (4.6); 8.3691 (4.7); 8.3603 (4.0); 8.1750 (0.6); 7.9458 (10.8); 7.6031 (0.9); 7.2985 (17.2); 7.2701 (0.3); 7.2603 (2.2); 7.2527 (3.3); 7.2456 (2.0); 4.5467 (2.3); 4.5362 (0.8); 4.5229 (7.4); 4.5124 (0.9); 4.4991 (7.5); 4.4887 (0.4); 4.4754 (2.5); 2.0339 (0.4); 2.0171 (0.9); 2.0060 (0.9); 1.9891 (1.8); 1.9723 (1.0); 1.9610 (1.0); 1.9440 (0.5); 1.5607 (0.4); 1.5079 (1.0); 1.4892 (7.9); 1.4841 (2.1); 1.4654 (16.0); 1.4417 (7.6); 1.1307 (1.2); 1.1149 (2.8); 1.1085 (3.1); 1.0927 (1.9); 1.0863 (3.0); 1.0805 (2.6); 1.0648 (1.4); 0.8200 (1.4); 0.8039 (3.9); 0.7989 (3.1); 0.7874 (3.0); 0.7820 (3.9); 0.7653 (1.1); 0.1053 (3.9); 0.0463 (0.6); 0.0355 (18.2); 0.0246 (0.7)
1-077: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 7.6152 (2.2); 7.5083 (0.4); 7.4466 (2.6); 7.2777 (2.1); 7.1794 (1.4); 7.1521 (4.7); 7.1336 (5.7); 7.1190 (2.6); 7.0996 (0.7); 6.9334 (1.5); 6.9177 (2.0); 6.9113 (1.8); 6.9031 (2.2); 6.8872 (1.4); 6.8798 (1.0); 6.5450 (0.4); 3.5192 (0.8); 3.3841 (16.0); 2.5659 (2.3); 2.5519 (24.4); 2.5343 (11.2); 2.5284 (22.7); 2.5224 (31.2); 2.5163 (25.9); 2.3835 (0.5); 2.3446 (3.6); 2.3112 (24.3); 2.2623 (0.3); 2.1990 (0.7); 2.1033 (1.8); 2.0950 (2.1); 2.0887 (1.2); 2.0781 (1.2); 2.0605 (2.0); 2.0434 (1.3); 2.0330 (1.1); 2.0154 (0.6); 2.0058 (0.8); 1.9291 (1.3); 1.3718 (1.0); 1.3550 (1.7); 1.3341 (1.7); 1.2897 (0.4); 1.2524 (0.7); 1.1846 (1.9); 1.0513 (1.4); 1.0365 (4.0); 1.0292 (4.3); 1.0157 (2.7); 1.0084 (4.1); 1.0012 (4.0); 0.9880 (1.7); 0.9641 (0.3); 0.8043 (1.8); 0.7905 (4.7); 0.7840 (4.7); 0.7738 (4.7); 0.7672 (4.4); 0.7517 (1.5); 0.0632 (0.5); 0.0269 (0.4); 0.0161 (12.2); 0.0049 (0.6); −0.0478 (2.8)
1-078: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.3272 (0.5); 7.2987 (3.5); 7.2747 (0.8); 7.0122 (0.4); 7.0093 (0.6); 7.0044 (0.5); 7.0015 (0.7); 6.9863 (0.9); 6.9775 (0.5); 6.9744 (0.6); 6.9627 (0.7); 6.9354 (0.8); 6.9290 (1.0); 6.9223 (0.5); 5.4152 (0.6); 5.3943 (0.8); 5.3735 (0.6); 2.6494 (16.0); 2.4422 (8.7); 1.9302 (0.6); 1.6585 (0.4); 1.4341 (8.6); 1.4132 (8.7); 1.3939 (0.4); 1.3869 (0.4); 1.0290 (0.4); 1.0139 (1.0); 1.0070 (1.0); 1.0013 (0.5); 0.9921 (0.6); 0.9855 (1.0); 0.9789 (0.8); 0.9642 (0.4); 0.7569 (0.5); 0.7418 (1.2); 0.7355 (1.0); 0.7254 (1.0); 0.7195 (1.2); 0.7032 (0.4); 0.0355 (3.1)
1-079: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 8.3115 (5.9); 7.7517 (0.6); 7.7318 (2.1); 7.7143 (3.6); 7.6877 (2.5); 7.6688 (1.2); 7.6300 (1.8); 7.6098 (1.2); 3.9368 (16.0); 3.3278 (5.3); 2.5097 (0.8)
1-080: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.3109 (0.8); 7.2987 (4.7); 7.2848 (1.4); 7.2586 (0.9); 7.0014 (0.6); 6.9984 (0.7); 6.9936 (0.8); 6.9906 (0.8); 6.9709 (1.1); 6.9665 (1.4); 6.9405 (0.8); 6.9259 (1.1); 6.9195 (1.2); 6.9129 (0.6); 5.4044 (0.7); 5.3835 (0.9); 5.3626 (0.7); 3.7427 (16.0); 2.6631 (0.6); 2.6431 (9.0); 2.3405 (9.2); 2.2666 (0.4); 2.0823 (0.5); 1.9509 (0.3); 1.9398 (0.4); 1.9229 (0.7); 1.9061 (0.4); 1.8950 (0.4); 1.4311 (0.4); 1.4202 (11.0); 1.3993 (10.9); 1.2954 (0.5); 1.0104 (0.5); 0.9954 (1.1); 0.9883 (1.3); 0.9826 (0.7); 0.9736 (0.7); 0.9669 (1.2); 0.9600 (1.1); 0.9457 (0.6); 0.7549 (0.6); 0.7399 (1.4); 0.7334 (1.3); 0.7234 (1.2); 0.7176 (1.5); 0.7012 (0.5); 0.4732 (1.4); 0.3153 (2.9); 0.1064 (0.4); 0.0358 (4.7)
1-081: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 12.4164 (0.4); 9.3565 (0.4); 7.3562 (6.8); 7.3301 (15.4); 7.3039 (9.4); 7.2752 (0.9); 7.2503 (0.5); 7.0529 (0.5); 7.0373 (0.6); 7.0158 (9.1); 7.0118 (8.1); 6.9860 (12.4); 6.9779 (9.5); 6.9750 (8.0); 6.9596 (4.6); 6.9562 (5.0); 6.9515 (10.2); 6.9483 (9.1); 6.9417 (13.6); 6.9361 (14.8); 6.9295 (7.4); 6.8903 (1.2); 6.5383 (0.3); 6.5193 (0.6); 6.4942 (0.4); 6.4631 (0.5); 6.4561 (0.6); 6.4496 (0.3); 4.0848 (0.3); 4.0611 (1.0); 4.0374 (1.0); 4.0135 (0.4); 3.0156 (0.9); 2.6205 (0.4); 2.5614 (5.1); 2.5342 (6.9); 2.5281 (14.7); 2.5221 (20.4); 2.5160 (15.0); 2.5100 (7.3); 2.4708 (0.5); 2.4047 (94.7); 2.3577 (1.4); 2.3372 (0.6); 2.2181 (6.5); 2.1853 (0.6); 2.0997 (4.5); 2.0161 (1.7); 2.0089 (4.6); 1.9993 (3.6); 1.9882 (3.9); 1.9830 (2.9); 1.9716 (7.4); 1.9600 (3.2); 1.9548 (4.5); 1.9437 (4.5); 1.9296 (14.1); 1.8218 (0.4); 1.2184 (1.1); 1.1947 (2.2); 1.1709 (1.1); 1.0134 (4.4); 0.9989 (12.5); 0.9913 (14.0); 0.9857 (7.6); 0.9777 (8.1); 0.9708 (14.0); 0.9632 (13.4); 0.9499 (6.6); 0.9355 (0.9); 0.9262 (1.3); 0.9182 (0.9); 0.8977 (1.0); 0.8900 (0.7); 0.8770 (0.4); 0.7850 (0.5); 0.7674 (0.5); 0.7347 (5.6); 0.7208 (14.0); 0.7178 (11.9); 0.7138 (15.0); 0.7042 (14.3); 0.6973 (16.0); 0.6822 (5.6); 0.6626 (0.8); 0.6504 (0.6);

TABLE 4-continued

0.6350 (0.5); 0.6291 (0.5); 0.6155 (0.8); 0.6083 (0.8); 0.5988 (0.8); 0.5915 (0.8); 0.5770 (0.3); 0.1053 (0.5); 0.0306 (0.7); 0.0198 (22.5); 0.0088 (1.0); −0.0406 (1.4)
1-082: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 7.5310 (0.4); 7.5109 (1.2); 7.4911 (1.8); 7.4829 (1.9); 7.4692 (2.3); 7.4189 (1.2); 7.3997 (0.7); 7.2594 (7.0); 3.9970 (16.0); 2.6349 (13.6); 2.3177 (13.5); 1.5482 (6.2); −0.0002 (6.0)
1-083: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 7.7555 (5.2); 7.5543 (0.6); 7.5387 (1.5); 7.5229 (1.4); 7.5038 (1.7); 7.4877 (0.9); 7.4753 (1.9); 7.4262 (1.1); 7.4103 (0.8); 7.2609 (3.6); 4.4644 (1.4); 4.4501 (3.9); 4.4359 (3.9); 4.4216 (1.3); 2.6740 (16.0); 1.5512 (1.8); 1.4201 (4.1); 1.4058 (8.0); 1.3915 (3.9); 0.0059 (0.3); −0.0002 (4.2)
1-084: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.2471 (2.2); 8.2382 (2.2); 7.8875 (2.2); 7.8822 (2.4); 7.6695 (0.6); 7.6627 (0.6); 7.6517 (0.4); 7.6260 (1.1); 7.6041 (3.5); 7.5820 (0.4); 7.5616 (1.8); 7.5215 (0.8); 7.5123 (1.2); 7.5049 (0.7); 7.4906 (0.7); 7.4833 (0.4); 7.3042 (11.7); 6.6688 (1.5); 6.6627 (1.7); 6.6600 (1.6); 6.6540 (1.4); 6.4075 (0.3); 4.1067 (0.3); 4.0306 (1.6); 3.9255 (16.0); 3.7521 (0.5); 1.6043 (0.4); 0.0536 (0.4); 0.0428 (11.8); 0.0319 (0.4)
1-085: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.6203 (1.0); 7.5965 (3.7); 7.5908 (2.4); 7.5804 (2.4); 7.5786 (2.4); 7.5688 (4.0); 7.5603 (3.7); 7.5442 (8.2); 7.5355 (1.8); 7.5333 (1.9); 7.5255 (0.9); 7.5190 (0.7); 7.5166 (0.7); 7.5106 (0.7); 7.5027 (0.4); 7.4599 (0.5); 7.4479 (0.4); 7.4361 (2.1); 7.4283 (2.1); 7.4194 (1.6); 7.4163 (2.0); 7.4110 (1.1); 7.4076 (1.0); 7.4038 (1.3); 7.3014 (3.6); 4.1011 (0.4); 3.7961 (4.1); 3.7421 (16.0); 1.6023 (2.3); 0.0411 (2.9)
1-086: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 8.6013 (3.0); 8.5973 (2.8); 8.5141 (2.8); 8.5086 (2.8); 7.9647 (5.2); 7.8504 (0.4); 7.8267 (1.6); 7.8215 (2.7); 7.8164 (1.6); 7.6276 (0.7); 7.2734 (0.9); 4.0351 (2.5); 4.0229 (16.0); −0.0002 (0.8)
1-087: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 7.5580 (0.4); 7.5425 (1.5); 7.5268 (3.1); 7.5088 (0.6); 7.4751 (2.1); 7.4226 (1.3); 7.4079 (1.0); 7.2602 (3.1); 4.0240 (16.0); 2.4323 (15.4); 1.5511 (4.0); −0.0002 (3.2)
1-088: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.8513 (3.1); 8.8181 (2.8); 8.8097 (2.8); 8.0119 (10.8); 7.9514 (0.4); 7.9336 (1.6); 7.9271 (2.8); 7.9205 (1.6); 7.6933 (1.4); 7.2997 (27.9); 4.5816 (0.4); 4.5688 (2.4); 4.5577 (1.1); 4.5450 (7.4); 4.5339 (1.3); 4.5212 (7.5); 4.5100 (0.6); 4.4975 (2.4); 3.1500 (0.6); 1.5927 (10.0); 1.5229 (1.1); 1.5050 (7.9); 1.4992 (2.6); 1.4812 (16.0); 1.4574 (7.6); 0.0494 (1.0); 0.0386 (29.1); 0.0276 (0.9)
1-089: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 10.3815 (3.7); 7.9584 (5.4); 7.8619 (0.6); 7.8561 (0.6); 7.8420 (0.6); 7.8360 (1.2); 7.8300 (0.8); 7.8158 (0.7); 7.8101 (0.7); 7.6472 (0.6); 7.6415 (0.6); 7.6208 (1.1); 7.6162 (1.0); 7.5959 (0.8); 7.5901 (0.7); 7.3977 (0.8); 7.3711 (1.3); 7.3446 (0.6); 7.2985 (2.2); 5.4175 (0.4); 5.3966 (1.0); 5.3757 (1.4); 5.3549 (1.1); 5.3341 (3.7); 1.6217 (1.4); 1.4694 (15.8); 1.4486 (16.0); 1.4290 (0.6); 1.2554 (0.5); 1.2348 (0.5); 1.2138 (0.4); 1.1934 (0.4); 0.0327 (2.7)
1-090: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.9090 (5.7); 7.4635 (0.5); 7.4573 (0.5); 7.4388 (0.7); 7.4325 (1.0); 7.4187 (0.6); 7.4101 (0.6); 7.2987 (4.3); 7.2564 (0.4); 7.2358 (1.0); 7.2296 (0.8); 7.2154 (1.2); 7.2085 (2.4); 7.1828 (1.2); 7.1565 (0.4); 6.9290 (0.8); 6.8917 (0.8); 6.8700 (0.9); 6.8327 (0.9); 5.9082 (1.5); 5.9052 (1.6); 5.8492 (1.4); 5.8461 (1.4); 5.4700 (1.5); 5.4669 (1.5); 5.4326 (1.4); 5.4296 (1.5); 5.4042 (0.4); 5.3834 (1.0); 5.3625 (1.4); 5.3417 (1.0); 5.3208 (0.4); 1.5941 (1.2); 1.4579 (16.0); 1.4370 (15.8); 1.2576 (0.4); 1.2371 (0.4); 0.0374 (5.4)
1-091: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.9042 (6.5); 7.8828 (0.8); 7.8781 (1.4); 7.8742 (1.0); 7.8317 (1.3); 7.8250 (1.8); 7.8191 (1.2); 7.6000 (1.0); 7.5735 (2.1); 7.5474 (1.4); 7.4917 (1.0); 7.4882 (1.1); 7.4837 (1.0); 7.4803 (1.0); 7.4646 (0.6); 7.4611 (0.6); 7.4567 (0.6); 7.4532 (0.6); 7.2987 (2.1); 5.3974 (0.4); 5.3766 (1.0); 5.3557 (1.4); 5.3333 (3.8); 5.3140 (0.4); 2.6431 (16.0); 1.6372 (1.8); 1.4490 (15.6); 1.4281 (15.4); 1.2518 (0.7); 1.2314 (0.7); 0.0329 (2.6)
1-092: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 8.2774 (16.0); 7.6494 (1.3); 7.6440 (1.5); 7.6200 (2.6); 7.6018 (1.6); 7.5956 (1.5); 7.4034 (1.1); 7.3977 (1.2); 7.3764 (2.7); 7.3719 (2.5); 7.3528 (2.5); 7.3465 (2.0); 7.3256 (3.5); 7.2990 (3.9); 7.2722 (1.3); 6.9157 (2.1); 6.8783 (2.4); 6.8566 (2.6); 6.8192 (2.6); 6.0381 (4.1); 6.0355 (4.2); 5.9792 (3.6); 5.9764 (3.6); 5.5463 (4.2); 5.5439 (4.0); 5.5088 (3.8); 5.5062 (4.0); 4.0604 (0.6); 4.0367 (0.6); 2.5346 (2.0); 2.5287 (4.3); 2.5226 (6.1); 2.5166 (4.5); 2.5107 (2.1); 2.0087 (2.5); 1.9299 (0.4); 1.2176 (0.6); 1.1939 (1.3); 1.1702 (0.6); 0.0183 (5.9)
1-093: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 8.2492 (16.0); 7.9235 (2.0); 7.9194 (3.4); 7.9151 (2.4); 7.8982 (2.5); 7.8938 (4.0); 7.8896 (2.8); 7.8121 (3.8); 7.8053 (5.4); 7.7994 (3.7); 7.6781 (2.8); 7.6514 (6.0); 7.6257 (4.0); 7.5801 (3.0); 7.5765 (3.4); 7.5722 (3.1); 7.5687 (3.0); 7.5530 (1.8); 7.5495 (1.7); 7.5451 (1.8); 7.5416 (1.5); 2.6174 (40.6); 2.5452 (0.4); 2.5346 (2.5); 2.5287 (5.3); 2.5226 (7.3); 2.5166 (5.3); 2.5108 (2.5); 2.0092 (0.5); 0.0197 (6.4)
1-094: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 8.2283 (11.5); 7.8419 (0.8); 7.4747 (1.7); 7.4667 (0.6); 7.4491 (3.9); 7.4231 (2.4); 7.2487 (0.5); 7.2326 (3.6); 7.2059 (2.7); 7.1863 (6.8); 7.1595 (2.1); 7.1523 (1.6); 4.0848 (1.1); 4.0611 (3.4); 4.0374 (3.5); 4.0137 (1.2); 3.3580 (1.2); 3.1347 (1.0); 3.1004 (1.6); 3.0916 (1.1); 3.0667 (1.4); 3.0534 (1.2); 3.0236 (1.0); 2.5346 (5.0); 2.5287 (10.8); 2.5227 (14.8); 2.5167 (10.8); 2.5109 (5.0); 2.0656 (2.2); 2.0476 (1.5); 2.0351 (2.8); 2.0282 (2.6); 2.0200 (1.6); 2.0097 (16.0); 2.0008 (3.4); 1.9886 (1.1); 1.9772 (1.1); 1.9665 (1.2); 1.9296 (14.7); 1.2186 (4.0); 1.1949 (7.8); 1.1711 (3.8); 0.0310 (0.6); 0.0202 (17.6); 0.0092 (0.6)
1-095: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 8.2172 (16.0); 7.8172 (1.1); 7.5335 (0.4); 7.5209 (2.7); 7.5083 (1.1); 7.4950 (5.9); 7.4813 (1.3); 7.4687 (4.0); 7.4323 (0.4); 7.2414 (0.8); 7.2065 (8.3); 7.1989 (5.9); 7.1802 (5.2); 7.1726 (5.8); 7.1660 (6.8); 7.1604 (6.4); 5.7866 (0.5); 5.5279 (0.3); 5.4410 (0.6); 5.2844 (0.6); 4.0613 (0.8); 4.0377 (0.8); 4.0142 (0.4); 3.6447 (0.3); 3.3505 (11.6); 3.2182 (0.8); 3.1169 (0.4); 2.7483 (0.5); 2.5853 (0.4); 2.5346 (21.8); 2.5287 (46.6); 2.5227 (64.6); 2.5167 (46.8); 2.5108 (21.7); 2.2933 (0.4); 2.0100 (3.1); 1.9297 (5.9); 1.7140 (0.4); 1.5738 (1.3); 1.5537 (4.9); 1.5468 (4.9); 1.5277 (1.9); 1.5086 (1.4); 1.4880 (4.7); 1.4816 (5.0); 1.4631 (2.0); 1.3997 (0.4); 1.2828 (0.4); 1.2537 (2.2); 1.2318 (5.2); 1.2236 (6.3); 1.2011 (6.3); 1.1951 (6.3); 1.1713 (2.0); 0.2153 (0.4); 0.0318 (2.5); 0.0208 (76.8); 0.0098 (2.6)

TABLE 4-continued

1-096: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.8773 (5.0); 7.5112 (0.5); 7.4447 (0.9); 7.4317 (0.3); 7.4179 (1.9); 7.3924 (1.4); 7.2989 (5.8); 7.2244 (0.6); 7.1980 (0.5); 7.1791 (2.4); 7.1725 (2.7); 7.1462 (2.4); 7.1348 (1.8); 7.1302 (1.8); 6.8524 (0.3); 6.7354 (0.5); 5.3906 (0.4); 5.3698 (1.0); 5.3489 (1.4); 5.3280 (1.0); 5.3072 (0.4); 4.8971 (1.1); 2.8573 (0.4); 2.8298 (0.5); 2.8166 (0.6); 2.7896 (0.7); 2.7743 (0.5); 2.7474 (0.6); 1.9123 (0.4); 1.8971 (0.7); 1.8825 (0.6); 1.8724 (0.7); 1.8575 (0.8); 1.8424 (0.4); 1.8327 (0.5); 1.8161 (0.5); 1.7111 (0.4); 1.6977 (0.4); 1.6842 (0.7); 1.6703 (1.0); 1.6563 (0.7); 1.6427 (0.9); 1.6287 (0.8); 1.6157 (0.4); 1.5989 (5.8); 1.4677 (1.6); 1.4435 (16.0); 1.4226 (15.5); 1.3048 (1.4); 0.9417 (0.5); 0.9202 (1.4); 0.8971 (0.6); 0.0381 (7.6); 0.0278 (0.3)
1-097: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.8774 (4.8); 7.8763 (4.8); 7.5175 (0.7); 7.4681 (0.7); 7.4420 (1.6); 7.4164 (0.9); 7.2999 (5.3); 7.2987 (5.2); 7.1733 (4.2); 7.1458 (2.4); 7.1188 (1.3); 5.3926 (0.4); 5.3715 (1.0); 5.3635 (0.4); 5.3507 (1.3); 5.3300 (1.2); 5.3091 (0.4); 1.5965 (4.9); 1.5767 (1.5); 1.5715 (1.5); 1.5498 (0.6); 1.5350 (0.6); 1.5130 (1.6); 1.5078 (1.6); 1.4867 (0.7); 1.4693 (2.5); 1.4462 (16.0); 1.4250 (14.6); 1.4046 (0.4); 1.1657 (0.6); 1.1437 (1.7); 1.1387 (2.1); 1.1150 (2.0); 1.1095 (1.8); 1.0871 (0.5); 0.0391 (7.1); 0.0378 (6.9)
1-098: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 7.9623 (6.0); 7.6160 (0.7); 7.5966 (1.6); 7.5764 (1.0); 7.4675 (1.5); 7.4482 (1.1); 7.3796 (3.6); 7.3605 (1.0); 7.3580 (1.0); 7.3551 (0.8); 7.1942 (1.2); 7.0549 (2.5); 6.9157 (1.2); 2.6233 (16.0); 2.5112 (1.7); 2.5069 (3.6); 2.5024 (4.8); 2.4979 (3.4); 2.4936 (1.6); −0.0002 (5.2)
1-099: ^{1}H-NMR(499.9 MHz, d_6-DMSO):
δ = 8.3652 (0.5); 8.3013 (6.0); 7.2138 (0.4); 7.2107 (0.5); 7.1975 (1.3); 7.1847 (1.3); 7.1784 (2.3); 7.1627 (2.0); 7.1467 (0.8); 6.9469 (0.8); 6.9441 (0.8); 6.9294 (1.3); 6.9191 (0.7); 6.9151 (0.6); 3.9505 (16.0); 3.9442 (2.6); 3.3320 (0.5); 2.0788 (0.6); 2.0722 (0.6); 2.0621 (1.1); 2.0519 (0.7); 2.0454 (0.6); 1.0310 (0.7); 1.0222 (2.1); 1.0179 (2.3); 1.0095 (1.3); 1.0053 (2.2); 1.0011 (2.2); 0.9928 (0.9); 0.7914 (0.9); 0.7828 (2.5); 0.7792 (2.6); 0.7728 (2.5); 0.7690 (2.6); 0.7599 (0.8)
1-100: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 8.0224 (4.7); 7.1588 (2.4); 7.1510 (1.6); 7.1480 (1.6); 7.1398 (2.7); 6.9293 (0.5); 6.9213 (0.6); 6.9129 (0.9); 6.9049 (0.9); 6.8970 (0.5); 6.8887 (0.4); 3.9282 (16.0); 3.3313 (3.9); 2.6229 (13.6); 2.5126 (1.4); 2.5082 (2.8); 2.5037 (3.8); 2.4992 (2.8); 2.4949 (1.4); 2.0704 (0.5); 2.0622 (0.5); 2.0495 (0.9); 2.0366 (0.6); 2.0285 (0.5); 1.0304 (0.6); 1.0194 (1.7); 1.0139 (1.8); 1.0097 (1.0); 1.0037 (1.0); 0.9983 (1.7); 0.9929 (1.8); 0.9827 (0.7); 0.7902 (0.8); 0.7798 (1.9); 0.7748 (2.1); 0.7671 (1.9); 0.7620 (2.0); 0.7508 (0.6); 0.0000 (2.1)
1-101: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 7.2043 (0.4); 7.1889 (1.2); 7.1841 (1.1); 7.1760 (3.2); 7.1676 (1.3); 7.1591 (2.1); 7.1386 (0.6); 6.9595 (0.7); 6.9548 (0.7); 6.9418 (1.0); 6.9354 (1.0); 6.9272 (0.6); 6.9189 (0.5); 3.9980 (16.0); 3.3447 (16.6); 2.5161 (0.8); 2.5119 (1.6); 2.5075 (2.2); 2.5030 (1.6); 2.4028 (14.4); 2.0802 (0.8); 2.0755 (0.5); 2.0671 (0.5); 2.0545 (1.0); 2.0417 (0.6); 2.0335 (0.5); 1.0366 (0.6); 1.0256 (1.8); 1.0201 (2.0); 1.0158 (1.0); 1.0099 (1.0); 1.0045 (1.9); 0.9991 (1.9); 0.9889 (0.8); 0.7930 (0.8); 0.7825 (2.1); 0.7800 (1.9); 0.7775 (2.2); 0.7699 (2.0); 0.7648 (2.2); 0.7535 (0.6); 0.0000 (1.1)
1-102: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.7280 (1.2); 8.7058 (1.4); 7.9581 (5.4); 7.8378 (1.4); 7.2988 (5.6); 6.9909 (0.9); 6.8055 (1.9); 6.6200 (1.0); 5.4140 (0.4); 5.3931 (1.0); 5.3722 (1.4); 5.3514 (1.0); 5.3305 (0.4); 1.6191 (3.5); 1.4842 (0.5); 1.4636 (16.0); 1.4427 (15.5); 1.3423 (0.4); 1.3024 (2.4); 0.9393 (0.9); 0.9176 (2.7); 0.8943 (1.0); 0.1059 (1.1); 0.0355 (6.8)
1-103: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 7.4511 (1.2); 7.4315 (2.6); 7.4117 (1.6); 7.2106 (2.1); 7.1913 (1.8); 7.1592 (3.0); 7.1422 (1.9); 7.1219 (1.5); 5.3106 (0.5); 5.2949 (1.2); 5.2793 (1.6); 5.2638 (1.2); 5.2482 (0.5); 3.3097 (8.2); 3.1096 (0.6); 3.0851 (1.0); 3.0578 (0.8); 3.0503 (0.9); 3.0261 (0.6); 2.5093 (4.8); 2.3947 (14.7); 2.0352 (1.3); 2.0099 (2.1); 1.9891 (2.1); 1.9644 (1.2); 1.3721 (0.4); 1.3553 (0.6); 1.3341 (16.0); 1.3186 (15.7)
1-104: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 7.5079 (5.9); 7.4818 (13.3); 7.4555 (8.1); 7.1921 (9.6); 7.1665 (14.2); 7.1621 (16.0); 7.1403 (4.8); 7.1352 (9.6); 7.1228 (13.0); 7.1168 (15.1); 4.0615 (0.7); 4.0382 (0.7); 4.0142 (0.4); 3.8911 (0.3); 3.8778 (0.3); 3.8051 (0.3); 3.6746 (0.5); 3.6270 (0.8); 3.6045 (0.9); 3.5980 (0.9); 3.3483 (4.0); 3.0543 (0.6); 3.0361 (0.6); 3.0206 (0.5); 2.9179 (0.3); 2.7496 (0.6); 2.5982 (0.5); 2.5348 (24.9); 2.5288 (54.8); 2.5228 (77.0); 2.5168 (56.6); 2.5109 (26.9); 2.4534 (0.6); 2.3817 (95.8); 2.3423 (0.8); 2.3139 (0.7); 2.2941 (0.5); 2.2137 (0.5); 2.1626 (0.5); 2.0976 (0.8); 2.0102 (2.8); 1.9299 (5.1); 1.5677 (3.1); 1.5475 (9.6); 1.5410 (10.8); 1.5219 (4.3); 1.5030 (3.2); 1.4836 (9.7); 1.4759 (10.8); 1.4571 (4.6); 1.3936 (0.6); 1.3114 (0.6); 1.2803 (1.0); 1.2518 (4.8); 1.2297 (11.0); 1.2213 (13.4); 1.2028 (9.2); 1.1987 (13.4); 1.1907 (11.2); 1.1716 (3.7); 1.1432 (0.6); 1.1317 (0.5); 1.1126 (0.4); 1.1006 (0.3); 0.2163 (0.3); 0.0318 (2.0); 0.0209 (77.6); 0.0101 (2.9); −0.0451 (0.5)
1-105: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 7.4345 (1.4); 7.4150 (3.0); 7.3953 (1.8); 7.1961 (2.4); 7.1769 (2.0); 7.1360 (3.7); 7.1257 (2.5); 7.1052 (1.7); 3.0932 (0.7); 3.0678 (1.2); 3.0413 (1.1); 3.0331 (1.0); 3.0096 (0.7); 2.4991 (5.8); 2.3697 (16.0); 2.0205 (1.5); 1.9950 (2.5); 1.9857 (1.2); 1.9739 (2.5); 1.9487 (0.9); 1.9068 (4.6); −0.0002 (2.1)
1-106: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.4486 (0.6); 7.4231 (1.3); 7.3976 (0.8); 7.3944 (0.7); 7.2989 (7.9); 7.1642 (3.1); 7.1609 (3.9); 7.1357 (1.3); 7.1290 (1.8); 7.1025 (1.0); 5.4474 (0.4); 5.4265 (1.0); 5.4056 (1.4); 5.3847 (1.0); 5.3639 (0.4); 2.4549 (16.0); 1.5912 (8.8); 1.5701 (1.4); 1.5647 (1.5); 1.5597 (0.8); 1.5449 (0.5); 1.5416 (0.4); 1.5304 (0.4); 1.5271 (0.4); 1.5065 (1.4); 1.5009 (1.5); 1.4959 (0.8); 1.4813 (0.6); 1.4417 (15.8); 1.4208 (15.7); 1.1589 (0.4); 1.1555 (0.5); 1.1408 (0.8); 1.1358 (1.5); 1.1299 (1.7); 1.1062 (1.8); 1.1011 (1.4); 1.0798 (0.4); 1.0765 (0.4); 0.0378 (9.4); 0.0268 (0.4)
1-107: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.9179 (6.4); 7.6094 (0.4); 7.2986 (12.0); 7.2758 (0.9); 7.2703 (0.8); 7.2528 (0.8); 7.2468 (0.8); 7.2235 (0.9); 7.1975 (1.4); 7.1945 (1.4); 7.1706 (0.7); 7.1679 (0.8); 7.1405 (0.6); 7.1375 (0.6); 7.1348 (0.6); 7.1165 (0.8); 7.1141 (0.7); 5.4071 (0.4); 5.3862 (1.1); 5.3653 (1.4); 5.3445 (1.1); 5.3236 (0.4); 2.9082 (0.3); 2.8949 (0.6); 2.8677 (0.6); 2.8544 (0.3); 2.8268 (0.3); 1.9830 (0.3); 1.9734 (0.4); 1.9603 (0.6); 1.9564 (0.5); 1.9434 (0.6); 1.9339 (0.7); 1.9207 (0.4); 1.9168 (0.7); 1.8944 (0.4); 1.8772 (0.3); 1.7473 (0.3); 1.7342 (0.4); 1.7204 (0.6); 1.7069 (0.8); 1.6927 (0.6); 1.6785 (0.7); 1.6652 (0.6); 1.6511 (0.4); 1.5844 (7.9); 1.4782 (1.3); 1.4618 (16.0); 1.4409 (15.7); 0.0481 (0.4); 0.0433 (0.4); 0.0374 (14.2); 0.0297 (0.4); 0.0280 (0.4); 0.0265 (0.5)

TABLE 4-continued

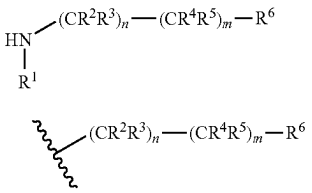
1-108: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 7.5552 (3.0); 7.2775 (0.6); 7.2745 (0.6); 7.2662 (1.2); 7.2488 (2.2); 7.2366 (0.8); 7.2264 (1.0); 7.2165 (0.5); 7.2005 (0.4); 3.3478 (16.0); 3.1018 (0.4); 3.0737 (0.4); 2.5340 (2.9); 2.5281 (6.1); 2.5220 (8.3); 2.5160 (6.1); 2.5101 (2.9); 2.0921 (0.6); 2.0769 (0.4); 2.0710 (0.5); 2.0636 (0.4); 2.0544 (0.4); 2.0477 (0.6); 2.0339 (0.4); 2.0199 (0.4); 2.0092 (0.5); 1.6200 (0.5); 0.0312 (0.4); 0.0204 (11.4); 0.0095 (0.5)
1-109: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.9172 (0.6); 7.2981 (5.1); 7.2842 (0.6); 7.2625 (1.2); 7.2397 (0.9); 7.2341 (1.0); 7.2004 (1.0); 7.1740 (1.8); 7.1470 (1.0); 7.1173 (1.0); 7.0966 (1.1); 7.0713 (0.4); 5.4608 (0.4); 5.4399 (1.1); 5.4190 (1.4); 5.3981 (1.1); 5.3773 (0.4); 2.9312 (0.4); 2.9033 (0.5); 2.8906 (0.8); 2.8629 (0.9); 2.8501 (0.5); 2.8224 (0.5); 2.4670 (16.0); 2.4551 (1.6); 2.2082 (8.2); 1.9938 (0.3); 1.9766 (0.4); 1.9673 (0.4); 1.9540 (0.7); 1.9371 (0.7); 1.9278 (0.7); 1.9110 (0.8); 1.8974 (0.4); 1.8882 (0.4); 1.8710 (0.4); 1.7393 (0.4); 1.7261 (0.4); 1.7122 (0.6); 1.6988 (0.9); 1.6847 (0.7); 1.6707 (0.9); 1.6571 (0.7); 1.6434 (0.4); 1.6300 (0.3); 1.6007 (4.9); 1.4817 (1.2); 1.4683 (1.5); 1.4570 (14.6); 1.4361 (14.0); 1.2956 (0.5); 0.9183 (0.4); 0.0361 (3.6)
1-110: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 8.2790 (2.3); 7.4340 (0.6); 7.4198 (2.0); 7.4024 (3.7); 7.3950 (2.2); 7.3866 (4.6); 7.3720 (2.9); 7.3623 (3.1); 7.3269 (1.8); 7.3015 (16.0); 7.2845 (9.6); 7.2771 (8.0); 7.2585 (1.1); 3.6128 (0.3); 3.5872 (0.4); 3.3811 (0.8); 3.3129 (0.7); 3.2895 (0.7); 3.1978 (0.4); 3.1540 (1.7); 3.1237 (2.2); 3.1138 (3.0); 3.0836 (3.1); 3.0453 (1.9); 2.9110 (2.3); 2.7518 (2.1); 2.7092 (1.2); 2.5340 (13.1); 2.5280 (28.4); 2.5219 (39.3); 2.5158 (28.3); 2.5100 (13.3); 2.4263 (55.4); 2.4070 (3.8); 2.3600 (0.4); 2.2074 (0.4); 2.1720 (0.7); 2.1441 (1.7); 2.1347 (1.0); 2.1229 (2.1); 2.1062 (4.3); 2.0840 (4.2); 2.0712 (5.1); 2.0587 (2.6); 2.0447 (3.8); 2.0300 (2.4); 2.0159 (0.8); 2.0093 (1.0); 2.0035 (0.5); 1.9289 (1.1); 0.0307 (1.7); 0.0290 (0.9); 0.0275 (1.2); 0.0199 (53.0); 0.0122 (1.8); 0.0107 (1.8); 0.0090 (1.9)
1-111: ^{1}H-NMR(499.9 MHz, d_6-DMSO):
δ = 7.9572 (6.3); 7.1617 (0.3); 7.1570 (0.4); 7.1478 (3.0); 7.1410 (1.9); 7.1387 (1.9); 7.1330 (2.8); 6.9088 (0.7); 6.9020 (0.7); 6.8961 (1.2); 6.8896 (1.1); 6.8827 (0.6); 6.8765 (0.5); 2.7404 (0.9); 2.6089 (16.0); 2.5168 (0.3); 2.5134 (0.6); 2.5098 (0.8); 2.5062 (0.6); 2.0661 (0.6); 2.0596 (0.7); 2.0494 (1.2); 2.0424 (0.5); 2.0391 (0.7); 2.0326 (0.6); 1.0221 (0.9); 1.0134 (2.3); 1.0091 (2.4); 1.0053 (1.3); 1.0007 (1.4); 0.9965 (2.2); 0.9922 (2.3); 0.9840 (0.9); 0.7812 (1.0); 0.7729 (2.5); 0.7706 (2.3); 0.7689 (2.6); 0.7627 (2.5); 0.7587 (2.5); 0.7498 (0.8)
1-112: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.7840 (4.1); 7.2987 (18.6); 7.1414 (0.4); 7.1348 (0.4); 7.1147 (1.2); 7.1077 (1.1); 7.0988 (2.6); 7.0868 (1.2); 7.0781 (1.7); 7.0501 (0.4); 6.8222 (0.6); 6.8160 (0.6); 6.7994 (0.9); 6.7902 (0.8); 6.7810 (0.5); 6.7691 (0.4); 4.5299 (1.2); 4.5062 (3.6); 4.4824 (3.6); 4.4586 (1.2); 2.7388 (14.0); 2.4130 (0.4); 2.2888 (0.4); 2.1435 (0.4); 2.1330 (0.5); 2.1158 (0.8); 2.0985 (0.4); 2.0878 (0.4); 1.5881 (16.0); 1.4814 (3.8); 1.4577 (7.7); 1.4339 (3.7); 1.2924 (0.4); 1.0457 (0.6); 1.0306 (1.5); 1.0236 (1.7); 1.0091 (0.9); 1.0019 (1.6); 0.9952 (1.5); 0.9809 (0.7); 0.8042 (0.8); 0.7894 (1.8); 0.7831 (1.8); 0.7722 (1.6); 0.7669 (1.8); 0.7503 (0.6); 0.0481 (1.1); 0.0373 (24.0); 0.0263 (1.0)
1-113: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 8.2836 (1.4); 8.2772 (16.0); 8.0256 (0.8); 7.5855 (0.4); 7.5487 (1.7); 7.5442 (1.5); 7.5229 (3.8); 7.5103 (3.4); 7.5049 (3.4); 7.4983 (2.9); 7.4936 (2.4); 7.4892 (2.2); 7.4835 (2.2); 7.3768 (2.8); 7.3503 (3.9); 7.3238 (1.6); 4.0603 (0.6); 4.0366 (0.6); 3.3605 (1.2); 3.2371 (0.6); 2.5342 (7.1); 2.5283 (15.8); 2.5223 (22.2); 2.5162 (16.4); 2.5104 (7.8); 2.0093 (2.6); 1.9292 (7.7); 1.5028 (1.0); 1.4759 (3.9); 1.4545 (1.6); 1.4402 (1.2); 1.4132 (4.0); 1.3921 (1.8); 1.2548 (0.4); 1.2247 (1.6); 1.2181 (1.1); 1.2027 (4.2); 1.1948 (5.8); 1.1732 (5.1); 1.1443 (1.2); 0.0302 (0.7); 0.0194 (25.5); 0.0085 (1.1)
1-114: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.9261 (0.4); 7.9166 (5.3); 7.6145 (0.4); 7.4855 (0.3); 7.4803 (0.5); 7.4756 (0.4); 7.4594 (0.9); 7.4543 (1.0); 7.4502 (0.6); 7.4386 (0.5); 7.4333 (0.6); 7.4286 (0.5); 7.3637 (0.4); 7.3600 (0.4); 7.3388 (1.0); 7.3366 (0.9); 7.3154 (0.8); 7.3128 (0.7); 7.3095 (0.7); 7.2990 (4.7); 7.2686 (1.1); 7.2422 (1.3); 7.2156 (0.5); 7.0516 (1.2); 7.0471 (0.8); 7.0317 (0.7); 7.0277 (0.4); 5.4051 (0.4); 5.3843 (1.0); 5.3634 (1.4); 5.3425 (1.0); 5.3217 (0.4); 5.2848 (0.6); 5.2686 (0.6); 1.6046 (3.3); 1.5156 (0.5); 1.4927 (1.6); 1.4894 (1.6); 1.4769 (1.7); 1.4597 (16.0); 1.4388 (15.7); 1.4037 (0.7); 1.3039 (1.0); 1.2341 (0.6); 1.2131 (1.4); 1.2057 (1.6); 1.1833 (1.7); 1.1758 (1.3); 1.1636 (0.5); 1.1557 (0.8); 1.1340 (0.5); 1.1287 (0.4); 0.9410 (0.3); 0.9194 (1.1); 0.8961 (0.4); 0.0375 (6.0)
1-115: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.4720 (0.4); 7.4670 (0.6); 7.4621 (0.4); 7.4457 (0.9); 7.4409 (1.0); 7.4252 (0.5); 7.4199 (0.6); 7.4152 (0.5); 7.3599 (0.3); 7.3545 (0.4); 7.3508 (0.4); 7.3296 (0.9); 7.3275 (0.9); 7.2991 (13.2); 7.2490 (0.9); 7.2224 (1.2); 7.1957 (0.5); 7.0557 (1.4); 7.0506 (1.0); 7.0353 (0.7); 7.0309 (0.4); 5.4608 (0.4); 5.4399 (1.0); 5.4191 (1.3); 5.3982 (1.0); 5.3773 (0.4); 5.2403 (0.8); 5.2239 (0.8); 2.4655 (15.5); 2.4545 (1.8); 1.5914 (11.8); 1.5121 (0.4); 1.4898 (1.6); 1.4817 (2.4); 1.4570 (16.0); 1.4361 (15.8); 1.4231 (1.7); 1.4001 (0.6); 1.3042 (1.3); 1.2301 (0.6); 1.2093 (1.4); 1.2019 (1.6); 1.1796 (1.6); 1.1717 (1.4); 1.1587 (0.6); 1.1516 (0.5); 1.1363 (0.6); 0.9417 (0.5); 0.9200 (1.4); 0.8966 (0.6); 0.0489 (0.5); 0.0380 (16.4); 0.0270 (0.6)
1-116: ^{1}H-NMR(499.9 MHz, d_6-DMSO):
δ = 7.2375 (1.0); 7.2279 (2.3); 7.2176 (2.2); 7.2080 (0.8); 7.1225 (1.6); 7.1069 (4.1); 7.0911 (4.0); 7.0819 (2.2); 7.0781 (2.4); 7.0644 (2.5); 7.0514 (1.1); 7.0481 (0.9); 6.8826 (1.6); 6.8789 (1.7); 6.8678 (2.6); 6.8537 (1.4); 6.8508 (1.2); 3.3246 (4.9); 2.9361 (16.0); 2.9258 (15.5); 2.5107 (4.0); 2.5072 (7.6); 2.5036 (10.0); 2.5000 (7.1); 2.4965 (3.3); 2.0717 (0.7); 2.0613 (1.3); 2.0547 (1.4); 2.0445 (2.4); 2.0343 (1.4); 2.0277 (1.2); 2.0173 (0.6); 1.9905 (0.7); 1.1768 (0.4); 1.0204 (2.0); 1.0117 (4.9); 1.0074 (5.0); 1.0037 (2.7); 0.9991 (2.7); 0.9948 (4.7); 0.9905 (4.7); 0.9823 (1.8); 0.7894 (0.4); 0.7702 (2.3); 0.7618 (5.3); 0.7597 (4.7); 0.7578 (5.5); 0.7516 (5.0); 0.7475 (5.2); 0.7386 (1.6)
1-117: ^{1}H-NMR(499.9 MHz, d_6-DMSO):
δ = 7.7080 (0.7); 7.6925 (1.4); 7.6727 (5.0); 7.6569 (9.6); 7.6416 (5.4); 7.6129 (5.4); 7.5990 (9.9); 7.5860 (6.4); 7.4613 (8.0); 7.4453 (12.7); 7.4293 (5.6); 7.3884 (1.4); 7.3802 (7.3); 7.2804 (2.9); 7.2721 (16.0); 7.1723 (1.4); 7.1640 (7.9); 4.0581 (0.6); 3.0700 (2.2); 2.5471 (0.5); 2.5071 (3.5); 2.5039 (4.7); 2.5006 (3.7); 2.4512 (0.4); 2.4180 (100.6); 2.4073 (17.9); 2.3005 (0.6); 2.2854 (0.6); 1.1096 (0.4); 1.0962 (6.9)

TABLE 4-continued

1-118: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.9331 (5.2); 7.6246 (0.4); 7.3831 (0.6); 7.3773 (0.6); 7.3617 (0.7); 7.3559 (1.3); 7.3506 (0.9); 7.3353 (0.7); 7.3292 (0.8); 7.2990 (0.6); 7.2884 (0.5); 7.2827 (0.5); 7.2666 (0.5); 7.2607 (1.4); 7.2552 (0.9); 7.2392 (1.0); 7.2330 (0.9); 7.1987 (1.2); 7.1940 (1.2); 7.1718 (1.3); 7.1668 (1.4); 7.1448 (0.5); 7.1395 (0.5); 5.3953 (0.4); 5.3744 (1.0); 5.3536 (1.4); 5.3327 (1.0); 5.3119 (0.4); 2.0723 (0.5); 1.4704 (1.4); 1.4512 (16.0); 1.4303 (15.1); 0.0315 (0.8)
1-119: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 7.9360 (16.0); 7.6226 (1.0); 7.3432 (2.2); 7.3407 (2.7); 7.3275 (4.4); 7.3144 (2.4); 7.3116 (2.7); 7.2617 (6.0); 7.2399 (2.1); 7.2374 (2.3); 7.2238 (4.5); 7.2103 (2.9); 7.2076 (2.9); 7.1903 (0.4); 7.1874 (0.4); 7.1586 (3.4); 7.1559 (3.5); 7.1423 (4.6); 7.1395 (4.8); 7.1259 (1.8); 7.1231 (1.9); 6.9462 (0.6); 6.9315 (1.3); 6.9279 (0.9); 6.9210 (0.4); 6.9170 (0.7); 6.9120 (0.6); 6.9051 (0.4); 6.8971 (0.6); 6.8926 (0.4); 5.4641 (1.1); 5.4561 (1.1); 4.5100 (0.9); 4.5010 (4.3); 4.4868 (11.6); 4.4725 (11.4); 4.4582 (3.8); 1.5785 (9.1); 1.4637 (1.5); 1.4455 (12.7); 1.4312 (23.5); 1.4169 (11.4); −0.0002 (6.6)
1-120: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 7.7348 (5.0); 7.3033 (0.7); 7.3005 (0.8); 7.2873 (1.5); 7.2843 (1.2); 7.2743 (0.9); 7.2714 (1.0); 7.2638 (2.0); 7.2379 (0.7); 7.2350 (0.8); 7.2214 (1.6); 7.2189 (1.2); 7.2080 (0.9); 7.2051 (1.0); 7.1317 (1.0); 7.1286 (1.1); 7.1153 (1.5); 7.1122 (1.7); 7.0989 (0.6); 7.0958 (0.7); 5.3387 (0.4); 5.3263 (1.1); 5.3137 (1.5); 5.3012 (1.2); 5.2887 (0.5); 2.7076 (15.4); 1.6075 (3.7); 1.4053 (16.0); 1.3927 (16.0); −0.0002 (1.9)
1-121: ^{1}H-NMR(499.9 MHz, d_6-DMSO):
δ = 7.6005 (1.3); 7.5979 (1.5); 7.5844 (2.8); 7.5709 (1.6); 7.5683 (1.6); 7.4782 (1.2); 7.4756 (1.4); 7.4615 (2.9); 7.4475 (1.8); 7.4449 (1.7); 7.3612 (1.9); 7.3584 (2.0); 7.3446 (3.0); 7.3419 (3.2); 7.3281 (1.3); 7.3254 (1.4); 4.4982 (2.4); 4.4840 (7.6); 4.4698 (7.7); 4.4556 (2.5); 3.3159 (12.1); 2.5070 (4.8); 2.5036 (6.5); 2.5004 (5.1); 2.4165 (28.2); 1.3460 (7.8); 1.3318 (16.0); 1.3177 (7.7); −0.0002 (2.0)
1-122: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 7.6263 (7.0); 7.6208 (8.0); 7.6041 (7.8); 7.5988 (15.4); 7.5937 (10.2); 7.5773 (9.0); 7.5715 (9.1); 7.4939 (6.3); 7.4883 (6.7); 7.4705 (6.9); 7.4659 (15.0); 7.4608 (10.0); 7.4430 (11.6); 7.4373 (9.5); 7.3878 (12.6); 7.3827 (12.0); 7.3606 (15.5); 7.3553 (16.0); 7.3332 (6.0); 7.3278 (6.2); 4.2841 (0.3); 4.2288 (0.3); 4.1828 (0.3); 4.0782 (0.4); 4.0617 (0.7); 4.0385 (0.8); 4.0004 (0.5); 3.9889 (0.5); 3.8676 (0.7); 3.8480 (0.7); 3.7660 (1.0); 3.6961 (1.1); 3.6479 (1.4); 3.4652 (2.5); 3.4056 (2.7); 2.8887 (0.6); 2.8098 (0.5); 2.7496 (0.7); 2.7372 (0.6); 2.6482 (1.0); 2.5887 (0.8); 2.5352 (22.4); 2.5292 (46.8); 2.5231 (64.1); 2.5170 (45.9); 2.5109 (21.2); 2.4323 (155.0); 2.3656 (0.8); 2.2932 (0.4); 2.2126 (0.9); 2.0098 (2.0); 1.9302 (3.7); 1.2192 (0.6); 1.1957 (1.1); 1.1719 (0.5); 0.0312 (1.5); 0.0204 (41.7); 0.0095 (1.4)
1-123: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 8.0097 (16.0); 7.9655 (0.4); 7.5896 (2.0); 7.5839 (2.2); 7.5674 (2.2); 7.5622 (4.0); 7.5570 (2.9); 7.5410 (2.5); 7.5349 (2.6); 7.4546 (1.7); 7.4489 (1.8); 7.4316 (1.8); 7.4268 (4.3); 7.4214 (2.9); 7.4042 (3.6); 7.3981 (2.8); 7.3687 (3.9); 7.3642 (3.6); 7.3419 (4.2); 7.3370 (4.5); 7.3147 (1.6); 7.3096 (1.7); 3.3531 (2.9); 2.6342 (42.4); 2.5345 (5.6); 2.5285 (12.2); 2.5224 (16.9); 2.5163 (12.2); 2.5103 (5.7); 2.2979 (0.5); 2.2918 (0.5); 2.0090 (1.3); 1.2179 (0.4); 1.1942 (0.7); 1.1704 (0.3); 0.0191 (8.3)
1-124: ^{1}H-NMR(300.1 MHz, d_6-DMSO):
δ = 8.3018 (6.7); 7.6593 (0.5); 7.6329 (1.5); 7.6066 (1.2); 7.5224 (1.4); 7.4929 (2.4); 7.4756 (1.3); 7.4722 (1.3); 7.4453 (0.9); 7.4418 (0.8); 7.2608 (1.1); 7.0752 (2.3); 6.8897 (1.1); 3.9259 (16.0); 3.3292 (2.6); 2.5084 (2.8); 2.5026 (3.7); 2.4968 (2.6); −0.0005 (2.7)
1-125: ^{1}H-NMR(400.2 MHz, d_6-DMSO):
δ = 14.0741 (0.4); 7.9771 (5.9); 7.7099 (0.6); 7.6902 (1.7); 7.6704 (1.4); 7.6376 (1.7); 7.6175 (1.0); 7.5995 (2.1); 7.5297 (1.2); 7.5091 (0.9); 3.3301 (0.6); 2.6225 (16.0); 2.5099 (6.7); 2.5056 (14.0); 2.5011 (19.1); 2.4966 (13.7); 2.4923 (6.5); 0.0071 (0.6); −0.0011 (17.7); −0.0094 (0.7)
1-126: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 8.0394 (5.5); 7.7256 (0.6); 7.7063 (1.9); 7.6866 (1.6); 7.6542 (2.3); 7.6331 (3.8); 7.5609 (1.6); 7.5403 (1.4); 3.9145 (16.0); 3.3269 (11.0); 2.6442 (15.2); 2.5097 (1.8)
1-127: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 8.3829 (16.0); 7.7559 (0.9); 7.7302 (3.0); 7.7046 (6.9); 7.6890 (4.6); 7.6636 (1.2); 7.6081 (2.8); 7.6012 (1.6); 7.5825 (1.5); 3.6424 (0.4); 3.6205 (0.5); 3.5991 (0.5); 3.3722 (3.1); 2.5345 (3.4); 2.5285 (7.2); 2.5224 (9.8); 2.5164 (7.0); 2.5104 (3.2); 2.0087 (0.7); 1.9291 (0.4); 1.3749 (1.9); 1.1939 (0.4); 0.0188 (7.1)
1-128: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.5864 (0.9); 7.5640 (3.0); 7.5176 (1.3); 7.4753 (0.6); 7.4662 (1.0); 7.4588 (0.6); 7.4542 (0.3); 7.4510 (0.3); 7.4447 (0.6); 7.4366 (0.3); 7.2983 (7.8); 4.0660 (0.4); 4.0444 (15.4); 3.6947 (1.7); 3.6726 (4.0); 3.6510 (2.0); 3.3667 (16.0); 3.1857 (1.9); 3.1640 (3.7); 3.1420 (1.6); 1.5842 (6.0); 0.0375 (8.1)
1-129: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.2191 (15.2); 9.2072 (15.9); 8.0823 (15.8); 8.0704 (15.6); 7.7415 (2.8); 7.7211 (8.1); 7.7111 (2.0); 7.7009 (7.4); 7.6691 (16.0); 7.6633 (13.8); 7.5863 (6.9); 7.5666 (5.4); 3.5012 (0.4); 3.3202 (3.0); 3.1349 (0.4); 2.5131 (12.7); 2.5088 (16.3); 2.5046 (12.1); 1.9947 (0.8); 1.1820 (0.4)
1-130: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.9303 (10.8); 7.4583 (0.9); 7.4525 (1.9); 7.4489 (1.8); 7.4421 (2.6); 7.4358 (4.6); 7.4289 (5.6); 7.3628 (2.7); 7.3513 (0.3); 7.3462 (0.3); 7.3356 (4.3); 7.3276 (0.6); 7.3158 (0.6); 7.3075 (2.3); 7.2983 (4.5); 7.2274 (2.0); 7.2237 (2.2); 7.2199 (2.1); 7.2163 (1.8); 7.2002 (1.3); 7.1960 (1.5); 7.1933 (1.4); 7.1892 (1.1); 4.5332 (2.4); 4.5094 (7.5); 4.4856 (7.6); 4.4618 (2.5); 1.6025 (5.0); 1.4783 (7.9); 1.4546 (16.0); 1.4307 (7.6); 0.0365 (4.5)

TABLE 5

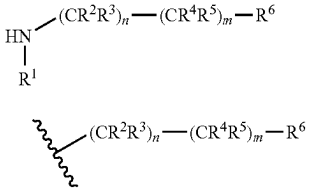
Compounds according to formula (2)



Ex N°	R^1		LogP
2-01	H	2-(4-ethynyl-2-methylphenyl)-2,2-difluoroethyl	0.93[a]
2-02	H	2-(4-cyclopropyl-2-methylphenyl)-2,2-difluoroethyl	1.30[a]
2-03	H	2,2-difluoro-2-(2-fluoro-4,6-dimethylphenyl)ethyl	0.95[a]
2-04	H	2-(3-bromo-2-chlorophenyl)-2,2-difluoroethyl	0.87[a]
2-05	H	rac-2-fluoro-2-(4-iodophenyl)ethyl	0.73[a]

TABLE 5-continued

Compounds according to formula (2)



Ex N°	R^1		LogP
2-06	H	rac- 2-[4-(difluoromethyl)-2-methylphenyl]-2-fluoroethyl	0.69[a]
2-07	H	rac-2-(2-chloro-4-cyclopropylphenyl)-2-fluoroethyl	1.15[a]

TABLE 6

2-01: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.8030 (0.4); 7.7768 (0.5); 7.7464 (3.9); 7.7421 (5.2); 7.7370 (2.7); 7.7264 (2.0); 7.7195 (6.8); 7.7142 (6.0); 7.7065 (4.0); 7.7022 (5.3); 7.6971 (2.7); 7.6865 (2.2); 7.6795 (6.7); 7.6744 (5.6); 7.6440 (0.7); 7.6163 (1.6); 7.6112 (1.8); 7.6064 (1.1); 7.6012 (1.2); 7.5922 (3.8); 7.5867 (3.8); 7.5783 (1.6); 7.5725 (2.4); 7.5674 (4.6); 7.5622 (4.1); 7.5570 (1.9); 7.5307 (5.6); 7.5262 (4.0); 7.5210 (5.6); 7.5166 (3.0); 7.5109 (4.5); 7.5058 (6.5); 7.5009 (5.6); 7.4961 (6.3); 7.4906 (2.4); 7.4828 (3.1); 7.4779 (2.8); 7.4729 (3.4); 7.4676 (4.1); 7.4517 (1.7); 7.4385 (8.2); 7.4101 (5.7); 7.3977 (6.4); 7.3340 (1.0); 7.2984 (53.6); 6.9475 (0.5); 5.3375 (1.3); 4.1947 (0.5); 4.1709 (1.5); 4.1471 (1.5); 4.1234 (0.6); 4.1024 (0.4); 3.2771 (5.8); 3.2275 (11.6); 3.2148 (1.2); 3.1780 (6.0); 3.1637 (1.0); 3.1478 (11.9); 2.5255 (0.6); 2.4672 (9.4); 2.4593 (16.0); 2.4514 (9.1); 2.3287 (0.4); 2.2570 (0.4); 2.2439 (0.4); 2.0835 (8.2); 2.0459 (0.4); 2.0360 (0.4); 2.0194 (0.3); 1.6972 (0.3); 1.6708 (0.5); 1.6487 (0.6); 1.6194 (0.7); 1.4966 (2.3); 1.3809 (0.9); 1.3500 (1.0); 1.3206 (2.8); 1.2968 (5.1); 1.2730 (2.2); 1.0369 (0.4); 0.9977 (0.4); 0.9723 (0.7); 0.9482 (0.4); 0.9361 (0.5); 0.9175 (0.5); 0.8925 (0.3); 0.3172 (0.6); 0.3008 (0.6); 0.2947 (0.5); 0.2843 (5.5); 0.2768 (3.1); 0.2705 (7.3); 0.2562 (1.6); 0.2532 (1.6); 0.2469 (4.0); 0.2365 (1.5); 0.2088 (1.3); 0.2037 (1.4); 0.1967 (3.8); 0.1890 (2.3); 0.1602 (1.0); 0.1550 (1.0); 0.1494 (2.4); 0.1441 (3.8); 0.1203 (1.3); 0.1063 (3.2); 0.0880 (0.5); 0.0728 (0.6); 0.0618 (0.4); 0.0474 (2.0); 0.0366 (54.6); 0.0257 (2.6); 0.0155 (1.0); −0.0026 (0.4); −0.0165 (0.7); −0.1616 (0.7)
2-02: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 7.5958 (0.3); 7.5766 (0.6); 7.5553 (0.4); 7.2981 (4.4); 7.2781 (5.2); 7.2108 (0.4); 7.1933 (0.4); 7.1631 (0.3); 7.1093 (0.4); 7.0992 (0.4); 7.0394 (0.7); 6.9771 (7.1); 6.9486 (4.1); 6.9071 (1.2); 6.8860 (0.7); 6.7878 (0.8); 6.7697 (0.6); 6.5393 (2.5); 6.4871 (0.8); 6.3004 (2.7); 3.3329 (60.7); 3.2642 (0.6); 3.2415 (0.4); 3.2363 (0.4); 3.2181 (0.4); 3.1900 (0.4); 3.1606 (3.5); 3.1221 (7.1); 3.0833 (3.9); 3.0519 (0.9); 2.9975 (0.6); 2.9711 (7.2); 2.9126 (0.6); 2.7148 (0.4); 2.5111 (35.1); 2.5070 (29.0); 2.3879 (1.7); 2.3544 (16.0); 2.2861 (1.3); 2.2478 (1.9); 2.2119 (0.7); 2.1730 (0.8); 2.1543 (0.7); 2.1033 (0.4); 1.9384 (1.3); 1.9258 (2.3); 1.9175 (2.9); 1.9051 (4.3); 1.8929 (3.6); 1.8844 (3.5); 1.8716 (2.6); 1.8272 (1.1); 1.3889 (0.5); 1.3674 (0.3); 1.3507 (0.6); 1.1684 (8.5); 1.1354 (8.8); 0.9882 (2.6); 0.9771 (6.3); 0.9717 (7.2); 0.9615 (5.4); 0.9564 (7.6); 0.9509 (7.7); 0.9410 (4.5); 0.7405 (0.4); 0.7160 (2.5); 0.7053 (6.6); 0.7007 (7.2); 0.6932 (7.4); 0.6882 (8.3); 0.6772 (4.8); 0.3232 (0.4)
2-03: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 6.9629 (1.9); 6.9337 (5.8); 3.3337 (6.4); 3.1780 (2.3); 3.1398 (4.7); 3.1015 (2.5); 2.5152 (3.4); 2.5111 (4.7); 2.5070 (3.7); 2.4123 (4.6); 2.4016 (9.5); 2.3907 (5.4); 2.2867 (16.0); 1.6930 (4.1)
2-04: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 7.9521 (10.7); 7.9324 (11.5); 7.7005 (0.4); 7.6529 (10.3); 7.6502 (10.7); 7.6332 (12.7); 7.6305 (12.6); 7.4291 (9.2); 7.4092 (16.0); 7.3894 (7.6); 7.2119 (0.4); 3.3535 (15.6); 3.3158 (31.4); 3.2780 (16.0); 3.1623 (0.4); 3.1315 (0.4); 2.5152 (2.9); 2.5112 (3.9); 2.5071 (3.1); 1.6878 (10.2); 1.3625 (0.4)
2-05: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 8.3740 (0.4); 8.3578 (0.4); 8.3255 (1.6); 8.2699 (6.4); 8.1811 (0.3); 7.9546 (0.4); 7.8911 (1.0); 7.8596 (15.1); 7.8396 (16.0); 7.7850 (0.3); 7.7775 (0.4); 7.7687 (0.4); 7.7138 (6.1); 7.6931 (6.5); 7.3163 (0.5); 7.2824 (13.4); 7.2625 (12.3); 7.1511 (0.4); 7.1091 (5.9); 7.0885 (5.4); 5.8556 (2.1); 5.8454 (2.4); 5.8359 (2.0); 5.8256 (2.0); 5.7335 (2.0); 5.7264 (2.3); 5.7103 (2.2); 5.7041 (2.1); 3.8271 (1.2); 3.5626 (0.4); 3.5394 (0.4); 3.4503 (0.6); 3.3398 (1168.7); 3.3377 (1019.1); 3.2838 (3.0); 3.2493 (1.2); 3.0294 (1.6); 3.0023 (1.9); 2.8456 (3.0); 2.8245 (3.4); 2.8067 (2.0); 2.7189 (0.6); 2.6835 (3.2); 2.6790 (4.5); 2.6745 (3.4); 2.6500 (1.6); 2.5491 (163.8); 2.5323 (9.4); 2.5274 (14.4); 2.5188 (278.8); 2.5144 (597.6); 2.5099 (808.1); 2.5054 (583.3); 2.5010 (282.0); 2.3756 (0.9); 2.3411 (3.4); 2.3367 (4.7); 2.3320 (3.5); 2.3274 (1.8); 2.3072 (0.4); 2.0818 (0.4); 2.0548 (0.3); 0.0075 (1.6)
2-06: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 8.7157 (5.6); 7.5744 (8.5); 7.5544 (14.3); 7.5024 (11.2); 7.4819 (7.3); 7.4619 (16.0); 7.1776 (6.1); 7.0381 (13.0); 6.8987 (6.4); 6.2790 (3.0); 6.2725 (3.4); 6.2572 (3.1); 6.2513 (3.1); 6.1552 (3.8); 6.1330 (3.8); 3.3496 (2.4); 3.3267 (1.4); 3.3133 (5.4); 3.2913 (10.4); 3.2842 (8.4); 3.2736 (4.7); 3.2492 (4.6); 3.2000 (5.0); 3.1964 (4.9); 3.1650 (2.6); 2.5650 (0.4); 2.5096 (4.7); 2.4076 (64.5); 2.2464 (0.4); 1.9880 (0.6); 1.1742 (0.3)
2-07: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 8.6578 (14.7); 7.4994 (0.5); 7.4747 (10.8); 7.4544 (12.1); 7.2592 (16.0); 7.1740 (8.8); 7.1539 (7.7); 6.2003 (3.4); 6.1803 (3.3); 6.0806 (3.4); 6.0599 (3.4); 3.4325 (1.7); 3.3987 (5.2); 3.3735 (3.7); 3.3372 (1.9); 3.2913 (2.9); 3.2565 (1.8); 3.2017 (2.7); 3.1666 (1.9); 2.9854 (0.7); 2.5097 (7.6); 2.0180 (1.5); 2.0054 (3.2); 1.9967 (3.9); 1.9848 (6.1); 1.9728 (4.0); 1.9641 (3.4); 1.9514 (1.8); 1.2461 (0.5); 1.0946 (0.4); 1.0683 (0.3); 1.0499 (0.7); 1.0313 (3.8); 1.0200 (11.0); 1.0149 (12.0); 0.9993 (11.3); 0.9945

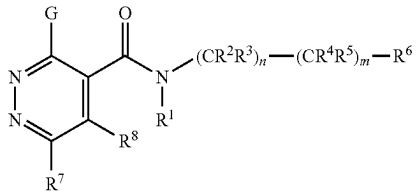
TABLE 6-continued

(10.9); 0.9840 (4.3); 0.9670 (0.9); 0.9461 (0.7); 0.8630 (0.6); 0.8044 (0.6); 0.7912 (0.7); 0.7661 (4.7); 0.7550 (13.9); 0.7430 (12.7); 0.7390 (13.2); 0.7272 (3.6); 0.7031 (0.6); 0.6918 (0.7); 0.6806 (0.5)

TABLE 7

Compounds according to formula (3)

(3)



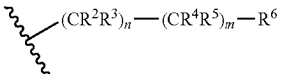
Ex N°	R^1	R^7	R^8	G		LogP
3-01	H	Cl	H	Cl	2-(2,4-dimethylphenyl)ethyl	3.02[a]
3-02	H	Cl	H	Cl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	3.02[a]
3-03	H	Cl	H	Cl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.19[a]
3-04	H	methyl	H	Cl	2-(4-bromo-2-chlorophenyl)-2,2-difluoroethyl	2.76[a]
3-05	H	Cl	H	Cl	2-(4-chlorophenyl)-2,2-difluoroethyl	2.98[a]
3-06	H	methyl	H	Cl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.20[a]
3-07	H	Cl	H	Cl	2-(2,4-dichlorophenyl)ethyl	3.15[a]
3-08	H	Cl	H	Cl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	3.27[a]
3-09	H	Cl	H	Cl	2-(2,4-dichlorophenyl)-2,2-difluoroethyl	3.27[a]
3-10	H	Cl	H	Cl	2-(4-bromo-2-chlorophenyl)-2,2-difluoroethyl	3.29[a]; 3.24[b]
3-11	H	Cl	H	Cl	2-(4-bromo-2-methylphenyl)-2,2-difluoroethyl	3.39[a]
3-12	H	Cl	H	Cl	rac-7-bromo-1,2,3,4-tetrahydronaphthalen-1-yl	3.29[a]
3-13	H	Cl	H	Cl	rac-6-bromo-1,2,3,4-tetrahydronaphthalen-1-yl	3.37[a]
3-14	H	Cl	H	Cl	rac-5-bromoindan-1-yl	3.11[a]
3-15	H	Cl	H	Cl	rac-2-methyl-4,5,6,7-tetrahydro-1-benzothiophen-7-yl	2.98[a]
3-16	H	Cl	H	Cl	rac-4,5,6,7-tetrahydro-1-benzothiophen-7-yl	2.60[a]
3-17	H	Cl	H	Cl	rac-2-chloro-4,5,6,7-tetrahydro-1-benzothiophen-7-yl	3.21[a]
3-18	H	Cl	H	Cl	rac-1-(1-methyl-1H-indol-3-yl)ethyl	2.71[a]
3-19	H	Cl	methyl	Cl	2-(2,4-dimethylphenyl)-2,2-difluoroethyl	3.31[a]
3-20	H	Cl	methyl	Cl	rac-2-(2,4-dichlorophenyl)-2-fluoroethyl	3.34[a]
3-21	H	Cl	methyl	Cl	rac-2-(4-bromo-2-chlorophenyl)-2-fluoroethyl	3.43[a]
3-22	H	Cl	methyl	Cl	rac-2-(2,4-dimethylphenyl)-2-fluoroethyl	3.19[a]
3-23	H	Cl	methyl	Cl	rac-2-(2-chloro-4-methylphenyl)-2-fluoroethyl	3.22[a]
3-24	H	Cl	methyl	Cl	rac-2-(2-chloro-4-cyclopropylphenyl)-2-fluoroethyl	3.56[a]
3-25	H	Cl	methyl	Cl	2-(4-cyclopropyl-2-methylphenyl)-2,2-difluoroethyl	3.69[a]
3-26	H	Cl	methyl	Cl	2-(4-bromo-2-chlorophenyl)-2,2-difluoroethyl	3.56[a]
3-27	H	Cl	methyl	Cl	2-(2-chloro-4-methylphenyl)-2,2-difluoroethyl	3.31[a]
3-28	H	Cl	methyl	Cl	2-(4-bromo-2-methylphenyl)-2,2-difluoroethyl	3.60[a]

TABLE 8

3-01: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.8392 (8.7); 7.2985 (18.2); 7.0958 (1.6); 7.0704 (3.5); 7.0566 (2.8); 7.0297 (2.0); 7.0038 (0.9); 6.5514 (0.6); 3.7935 (1.5); 3.7700 (3.5); 3.7504 (3.5); 3.7270 (1.7); 3.0051 (2.5); 2.9816 (4.7); 2.9581 (2.2); 2.3972 (0.4); 2.3675 (16.0); 2.3391 (14.3); 2.0969 (0.3); 1.5817 (9.8); 0.0494 (0.8); 0.0384 (24.0); 0.0275 (0.9)
3-02: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 14.0362 (0.6); 9.7192 (0.4); 9.2918 (1.2); 9.2719 (2.4); 9.2521 (1.2); 8.1784 (16.0); 8.0140 (2.6); 7.7484 (3.4); 7.7441 (4.2); 7.7392 (3.4); 7.7259 (0.9); 7.6417 (2.9); 7.6271 (0.7); 7.6138 (7.6); 7.5868 (4.8); 7.5802 (4.3); 7.5679 (1.7); 7.5587 (2.7); 7.5523 (2.5); 6.0846 (1.0); 6.0707 (1.2); 6.0639 (1.4); 6.0503 (1.0); 5.9294 (1.0); 5.9110 (1.6); 5.8959 (1.0); 5.7767 (0.5); 3.9096 (0.4); 3.8943 (1.2); 3.8818 (1.7); 3.8643 (2.4); 3.8439 (1.2); 3.8091 (1.8); 3.7884 (2.4); 3.7760 (1.2); 3.7676 (1.1); 3.3876 (4.3); 3.2189 (11.8); 3.0969 (1.8); 2.6491 (17.7); 2.5341 (6.9); 2.5282 (14.5); 2.5221 (19.8); 2.5160 (14.4); 2.5101 (6.8); 1.1264 (4.7); 0.0311 (0.8); 0.0202 (23.4); 0.0093 (0.9)
3-03: ^{1}H-NMR(400.1 MHz, d_6-DMSO):
δ = 9.3646 (1.1); 9.3493 (2.3); 9.3339 (1.2); 8.0687 (11.4); 7.3925 (3.3); 7.3729 (3.9); 7.1436 (4.8); 7.1160 (2.2); 4.1022 (1.3); 4.0866 (1.3); 4.0640 (2.8); 4.0485 (2.8); 4.0259 (1.5); 4.0103 (1.4); 3.3336 (11.5); 2.5137 (4.4); 2.5095 (5.9); 2.5053 (4.5); 2.4411 (11.5); 2.3120 (16.0); 2.0831 (2.3)
3-04: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 9.3209 (1.6); 9.3010 (3.3); 9.2809 (1.6); 7.9515 (5.8); 7.9458 (6.2); 7.7622 (3.0); 7.7561 (2.8); 7.7341 (4.4); 7.7280 (4.4); 7.6322 (16.0); 7.6252 (9.4); 7.5966 (5.6); 4.2852 (1.8); 4.2649 (1.8); 4.2381 (3.8); 4.2176 (3.7); 4.1907 (2.0); 4.1702 (1.8); 3.3484 (16.0); 2.6602 (42.2); 2.5337 (2.1); 2.5279 (4.4); 2.5219 (5.9); 2.5159 (4.4); 2.5102 (2.1); 0.0180 (5.3)
3-05: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 9.3415 (1.2); 9.3208 (2.5); 9.3004 (1.3); 8.2438 (0.5); 8.1509 (16.0); 8.1388 (0.4); 8.1319 (0.4); 7.6786 (2.5); 7.6704 (1.3); 7.6486 (13.5); 7.6346 (13.0); 7.6140 (1.8); 7.6046 (3.0); 7.5778 (0.4); 7.5674 (0.4); 4.1703 (1.6); 4.1494 (1.6); 4.1223 (3.5); 4.1014 (3.4); 4.0742 (1.8); 4.0534 (1.7); 4.0403 (0.3); 3.3482 (18.7); 3.0439 (0.4); 2.8843 (0.5); 2.5370 (2.5); 2.5311 (5.2); 2.5250 (7.1); 2.5190 (5.1); 2.5131 (2.5); 2.0120 (0.5); 0.0328 (0.5); 0.0220 (12.0); 0.0111 (0.4)
3-06: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.6453 (4.7); 7.4228 (1.4); 7.3969 (1.7); 7.2975 (6.1); 7.1085 (3.0); 7.0797 (1.0); 7.0306 (0.6); 5.3357 (0.8); 4.2579 (1.0); 4.2376 (1.0); 4.2087 (2.1); 4.1884 (2.0); 4.1594 (1.1); 4.1391 (1.1); 2.7841 (16.0); 2.7727 (0.9); 2.5340 (3.0); 2.5269 (5.6); 2.5195 (3.1); 2.3770 (7.6); 2.3307 (0.4); 2.0425 (0.5); 1.6317 (1.7); 0.0352 (5.8)
3-07: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 8.2560 (2.6); 7.9964 (3.1); 7.8594 (16.0); 7.6443 (0.4); 7.5511 (0.8); 7.5371 (0.6); 7.4529 (5.2); 7.4326 (4.4); 7.4261 (4.6); 7.3250 (0.4); 7.2984 (57.6); 7.2891 (1.5); 7.2665 (8.8); 7.2612 (15.2); 7.2536 (2.4); 7.2465 (1.7); 7.2333 (3.0); 7.2289 (4.0); 7.2261 (4.2); 7.2191 (3.7); 7.1888 (5.0); 7.1615 (2.0); 6.6000 (0.9); 3.8494 (2.7); 3.8263 (6.4); 3.8061 (6.5); 3.7831 (3.2); 3.7566 (1.1); 3.7364 (1.0); 3.7125 (0.5); 3.6463 (1.6); 3.6235 (4.0); 3.6013 (3.8); 3.5779 (1.8); 3.1517 (5.2); 3.1286 (10.1); 3.1054 (4.7); 3.0965 (1.3); 3.0726 (1.6); 3.0490 (0.9); 3.0318 (3.2); 3.0082 (5.4); 2.9847 (2.6); 2.0846 (1.5); 1.3216 (0.4); 1.2976 (1.2); 1.2923 (1.1); 1.2741 (0.4); 0.0481 (2.3); 0.0374 (65.9); 0.0264 (2.6)
3-08: ^{1}H-NMR(300.2 MHz, d6-DMSO):
δ = 9.2939 (1.6); 9.2748 (3.0); 9.2561 (1.5); 8.1801 (13.0); 7.8553 (5.3); 7.7168 (2.8); 7.7108 (2.5); 7.6891 (3.9); 7.6829 (3.6); 7.5608 (6.2); 7.5329 (4.5); 6.0683 (1.0); 6.0552 (1.4); 6.0482 (1.5); 6.0348 (1.1); 5.9136 (1.0); 5.8954 (1.7); 5.8808 (1.1); 3.8903 (1.2); 3.8784 (1.9); 3.8600 (2.6); 3.8401 (1.2); 3.8045 (2.0); 3.7841 (2.7); 3.7634 (1.2); 3.3473 (16.0); 3.2176 (0.8); 2.6477 (1.2); 2.5274 (8.7); 2.5216 (11.1); 2.5159 (8.3); 0.0188 (6.4)
3-09: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.8349 (16.0); 7.8241 (0.4); 7.6371 (4.8); 7.6087 (6.0); 7.5614 (4.1); 7.5580 (4.1); 7.5550 (4.3); 7.5164 (0.4); 7.4140 (3.2); 7.4073 (3.0); 7.3858 (2.5); 7.3790 (2.3); 7.2986 (19.4); 6.9588 (1.4); 6.9477 (1.0); 5.3378 (0.8); 4.4506 (2.8); 4.4297 (2.8); 4.4020 (6.0); 4.3811 (5.7); 4.3534 (3.0); 4.3325 (2.9); 1.5991 (7.5); 1.2912 (0.4); 0.1061 (0.8); 0.0471 (0.9); 0.0363 (19.1); 0.0254 (0.8)
3-10: ^{1}H-NMR(400.0 MHz, d_6-DMSO):
δ = 9.3457 (1.7); 9.3301 (3.4); 9.3146 (1.7); 8.0939 (16.0); 8.0754 (0.6); 7.9351 (6.0); 7.9314 (6.4); 7.7363 (2.8); 7.7320 (2.8); 7.7153 (4.0); 7.7108 (4.1); 7.6115 (7.2); 7.5902 (5.2); 4.2648 (1.8); 4.2491 (1.9); 4.2294 (4.1); 4.2136 (3.9); 4.1938 (2.1); 4.1780 (1.9); 4.0384 (0.5); 4.0207 (0.5); 3.3219 (55.9); 2.6714 (0.4); 2.6670 (0.3); 2.5067 (56.1); 2.5024 (73.3); 2.4980 (54.9); 2.3335 (0.3); 2.3290 (0.4); 1.9891 (2.0); 1.1931 (0.5); 1.1754 (1.0); 1.1576 (0.5); 0.0076 (1.7); −0.0003 (37.2)
3-11: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.8353 (5.8); 7.5224 (0.5); 7.4827 (1.8); 7.4677 (0.8); 7.4387 (1.4); 7.4069 (2.7); 7.3790 (1.0); 7.3017 (13.9); 6.9504 (0.5); 6.9439 (0.5); 6.9269 (0.3); 4.2575 (1.0); 4.2368 (1.0); 4.2084 (2.0); 4.1877 (2.0); 4.1592 (1.0); 4.1386 (1.0); 3.5389 (0.8); 3.5206 (0.8); 2.5650 (2.9); 2.5579 (5.5); 2.5505 (3.0); 2.3078 (0.5); 2.0492 (10.2); 1.6024 (16.0); 1.2986 (0.3); 0.0500 (0.3); 0.0391 (12.0); 0.0281 (0.4)
3-12: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.8705 (16.0); 7.4861 (4.7); 7.4801 (5.1); 7.3663 (2.8); 7.3595 (2.6); 7.3389 (3.3); 7.3322 (3.1); 7.2984 (10.6); 7.0497 (4.7); 7.0223 (4.0); 6.8759 (1.4); 6.8478 (1.5); 5.3975 (0.7); 5.3811 (1.7); 5.3536 (1.8); 5.3339 (0.9); 2.8680 (0.4); 2.8465 (0.3); 2.8312 (1.4); 2.8123 (3.9); 2.7917 (3.6); 2.7716 (1.5); 2.7353 (0.4); 2.2347 (0.5); 2.2171 (0.9); 2.1932 (1.3); 2.1769 (1.4); 2.1636 (1.6); 2.1460 (1.2); 2.1297 (0.4); 2.0441 (0.6); 2.0310 (0.7); 2.0212 (1.2); 2.0091 (1.5); 2.0000 (1.3); 1.9872 (1.2); 1.9797 (1.6); 1.9646 (2.1); 1.9586 (3.1); 1.9442 (3.7); 1.9347 (2.4); 1.9281 (2.7); 1.9127 (2.3); 1.9024 (1.4); 1.8905 (1.1); 1.8771 (0.6); 1.6009 (6.8); 1.2906 (1.7); 0.1064 (2.2); 0.0469 (0.4); 0.0361 (9.6); 0.0251 (0.4)
3-13: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.8619 (16.0); 7.3655 (1.8); 7.3589 (2.5); 7.3269 (6.7); 7.2984 (10.2); 7.2396 (5.4); 7.2126 (3.5); 6.8370 (1.4); 6.8094 (1.5); 5.3866 (0.8); 5.3694 (1.8); 5.3498 (1.4); 5.3420 (1.7); 5.3232 (0.9); 2.9024 (0.4); 2.8651 (1.6); 2.8465 (3.4); 2.8285 (3.3); 2.8091 (1.5); 2.2283 (0.4); 2.2151 (0.6); 2.2106 (0.6); 2.1970 (0.8); 2.1850 (1.2); 2.1679 (1.4); 2.1535 (1.5); 2.1442 (0.8); 2.1356 (1.3); 2.1186 (0.4); 2.0649 (0.9); 2.0536 (0.8); 2.0403 (1.1); 2.0297 (1.4); 2.0202 (1.2); 2.0094 (1.2); 1.9976 (1.2); 1.9865 (1.0); 1.9773 (1.6); 1.9617 (1.2); 1.9529 (1.5); 1.9423 (2.0); 1.9327 (2.3); 1.9212 (2.2); 1.9123 (2.3); 1.9008 (1.7); 1.8898 (1.6); 1.8711 (0.8); 1.8597 (0.6); 1.8457 (0.3); 1.6012 (7.3); 1.3028 (1.1); 0.9394 (0.4); 0.9179 (1.1); 0.8946 (0.4); 0.0469 (0.4); 0.0361 (10.5); 0.0251 (0.4)

TABLE 8-continued

3-14: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.8823 (16.0); 7.4640 (5.0); 7.4248 (2.5); 7.4222 (2.2); 7.4191 (2.0); 7.3979 (3.3); 7.3952 (3.1); 7.3922 (2.9); 7.2986 (11.2); 7.2748 (4.8); 7.2480 (3.4); 6.8431 (1.3); 6.8171 (1.3); 5.6775 (1.0); 5.6523 (2.5); 5.6271 (2.5); 5.6018 (0.9); 3.1369 (0.5); 3.1219 (0.6); 3.1079 (0.5); 3.0917 (0.7); 3.0826 (1.4); 3.0672 (1.6); 3.0534 (1.6); 3.0368 (2.2); 3.0067 (2.6); 2.9803 (1.8); 2.9522 (0.9); 2.9265 (0.6); 2.7997 (0.9); 2.7845 (0.9); 2.7737 (1.6); 2.7580 (1.8); 2.7476 (1.0); 2.7406 (1.1); 2.7299 (2.0); 2.7146 (1.6); 2.7036 (0.9); 2.6884 (0.7); 2.0872 (0.9); 2.0619 (1.5); 2.0584 (1.2); 2.0431 (1.1); 2.0387 (1.4); 2.0352 (1.5); 2.0177 (1.4); 2.0144 (1.2); 2.0099 (1.1); 1.9946 (1.2); 1.9912 (1.2); 1.9657 (0.7); 1.6038 (3.7); 1.2909 (2.7); 1.2654 (0.3); 0.1066 (0.8); 0.0470 (0.4); 0.0363 (10.1); 0.0255 (0.5)
3-15: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.8683 (11.0); 7.2985 (6.0); 6.8605 (0.8); 6.8362 (0.8); 6.4732 (3.9); 6.4707 (3.9); 5.3804 (0.5); 5.3649 (1.0); 5.3394 (1.1); 5.3209 (0.5); 4.1560 (0.5); 4.1322 (0.5); 2.6860 (0.4); 2.6699 (0.3); 2.6501 (0.9); 2.6294 (2.3); 2.6044 (1.8); 2.5845 (1.0); 2.5484 (0.4); 2.4601 (16.0); 2.2670 (0.3); 2.2526 (0.5); 2.2358 (0.7); 2.2234 (0.9); 2.2068 (1.0); 2.1926 (0.9); 2.1812 (0.6); 2.1751 (0.8); 2.1669 (0.4); 2.0696 (2.4); 2.0535 (0.4); 2.0418 (0.6); 2.0298 (0.7); 2.0186 (0.9); 2.0111 (0.8); 2.0000 (0.9); 1.9884 (0.6); 1.9717 (0.8); 1.9613 (0.7); 1.9558 (0.6); 1.9396 (0.9); 1.9212 (1.6); 1.9092 (1.4); 1.9005 (1.8); 1.8920 (1.3); 1.8861 (1.5); 1.8805 (1.1); 1.8736 (1.0); 1.8672 (0.9); 1.8548 (0.5); 1.8434 (0.4); 1.6150 (1.8); 1.3429 (0.4); 1.3142 (1.5); 1.3031 (2.5); 1.2908 (2.8); 1.2667 (0.8); 0.9399 (0.9); 0.9181 (2.8); 0.8949 (1.1); 0.1067 (0.7); 0.0362 (5.9)
3-16: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.8561 (16.0); 7.2984 (7.6); 7.2557 (4.9); 7.2387 (5.2); 6.9473 (1.2); 6.9218 (1.2); 6.8254 (5.8); 6.8084 (5.4); 5.4719 (0.7); 5.4545 (1.5); 5.4286 (1.5); 5.4095 (0.7); 5.3353 (0.6); 4.1750 (0.6); 4.1512 (1.7); 4.1273 (1.8); 4.1036 (0.6); 2.7816 (0.5); 2.7465 (1.3); 2.7267 (3.6); 2.7040 (3.2); 2.6844 (1.2); 2.6723 (0.4); 2.6478 (0.4); 2.3068 (0.5); 2.2911 (0.8); 2.2736 (0.8); 2.2642 (1.3); 2.2476 (1.4); 2.2341 (1.5); 2.2255 (0.6); 2.2167 (1.1); 2.2024 (0.4); 2.0650 (8.4); 2.0492 (1.1); 2.0373 (1.3); 2.0299 (1.2); 2.0182 (1.2); 2.0092 (1.1); 1.9986 (1.0); 1.9905 (1.5); 1.9758 (2.2); 1.9672 (1.6); 1.9589 (2.8); 1.9469 (2.2); 1.9398 (2.7); 1.9240 (2.2); 1.9194 (1.8); 1.9071 (1.1); 1.8875 (0.6); 1.6183 (2.7); 1.3119 (2.5); 1.2882 (4.8); 1.2643 (2.2); 0.9175 (0.9); 0.8941 (0.4); 0.1061 (0.7); 0.0356 (7.4)
3-17: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.8613 (16.0); 7.2984 (9.2); 6.9882 (1.4); 6.9615 (1.4); 6.6367 (11.6); 5.3565 (0.8); 5.3391 (1.7); 5.3174 (1.6); 5.3124 (1.7); 5.2940 (0.8); 4.1526 (0.5); 4.1288 (0.5); 2.6869 (0.5); 2.6511 (1.4); 2.6318 (3.9); 2.6115 (3.7); 2.5923 (1.4); 2.5553 (0.4); 2.5508 (0.4); 2.2852 (0.5); 2.2700 (0.8); 2.2522 (0.8); 2.2425 (1.4); 2.2255 (1.5); 2.2121 (1.5); 2.1943 (1.1); 2.1804 (0.4); 2.0675 (2.2); 2.0498 (0.6); 2.0381 (0.8); 2.0263 (1.1); 2.0148 (1.4); 2.0072 (1.2); 1.9959 (1.3); 1.9861 (1.1); 1.9678 (1.5); 1.9537 (2.3); 1.9462 (1.8); 1.9380 (2.9); 1.9263 (2.2); 1.9184 (3.0); 1.9033 (2.2); 1.8845 (1.4); 1.8763 (0.9); 1.8645 (0.6); 1.8507 (0.3); 1.6115 (4.1); 1.3428 (0.4); 1.3128 (1.4); 1.3020 (2.3); 1.2894 (2.7); 1.2654 (0.8); 0.9389 (0.8); 0.9172 (2.4); 0.8940 (1.0); 0.1055 (0.8); 0.0460 (0.3); 0.0353 (9.0); 0.0244 (0.4)
3-18: ^{1}H-NMR(400.1 MHz, CDCl3):
δ = 7.8012 (5.8); 7.6631 (1.8); 7.6432 (2.0); 7.3418 (1.2); 7.3213 (2.5); 7.2905 (1.2); 7.2726 (1.8); 7.2612 (10.2); 7.2548 (1.3); 7.1725 (1.2); 7.1546 (1.8); 7.1368 (0.9); 7.0730 (4.3); 6.6115 (0.6); 6.5943 (0.6); 5.6579 (0.9); 5.6403 (1.3); 5.6226 (0.9); 3.7901 (16.0); 2.9485 (0.6); 2.8693 (0.6); 1.7906 (6.8); 1.7737 (6.9); 1.5703 (10.8); −0.0002 (0.9)
3-19: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.3834 (1.6); 7.3569 (1.9); 7.2990 (8.6); 7.0838 (2.1); 7.0653 (1.5); 7.0377 (1.2); 4.2746 (0.8); 4.2536 (0.8); 4.2257 (1.7); 4.2047 (1.6); 4.1767 (0.9); 4.1557 (0.8); 2.5232 (5.7); 2.3723 (16.0); 2.3553 (7.8); 1.5980 (7.5); 1.3034 (0.4); 1.2939 (0.4); 0.9199 (0.4); 0.0488 (0.4); 0.0380 (10.8); 0.0271 (0.4)
3-20: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.4993 (1.6); 7.4707 (4.3); 7.4645 (1.7); 7.3795 (1.7); 7.3727 (1.4); 7.3517 (1.0); 7.3450 (0.9); 7.2986 (12.4); 6.8960 (0.4); 6.8760 (0.8); 6.8564 (0.4); 6.1110 (0.4); 6.1019 (0.5); 6.0864 (0.5); 6.0771 (0.4); 5.9548 (0.4); 5.9456 (0.5); 5.9299 (0.5); 5.9207 (0.4); 4.2477 (0.3); 4.2380 (0.3); 4.1520 (0.3); 3.8943 (0.3); 3.8691 (0.4); 3.8439 (0.5); 3.8199 (0.5); 3.7992 (0.3); 2.4254 (16.0); 2.0431 (0.4); 1.6099 (6.8); 1.2929 (0.5); 0.1064 (0.9); 0.0477 (0.5); 0.0369 (13.2); 0.0292 (0.4); 0.0278 (0.4); 0.0260 (0.5)
3-21: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.6390 (1.2); 7.6337 (1.9); 7.6289 (1.4); 7.5504 (0.9); 7.5441 (0.8); 7.5224 (1.5); 7.5163 (1.4); 7.4373 (2.2); 7.4096 (1.3); 7.3082 (0.4); 7.2990 (24.2); 6.5330 (0.6); 6.5166 (0.3); 6.0978 (0.4); 6.0891 (0.4); 6.0727 (0.4); 6.0632 (0.4); 5.9415 (0.4); 5.9326 (0.4); 5.9156 (0.4); 5.9069 (0.4); 4.1670 (0.3); 3.8257 (0.5); 3.8071 (0.3); 3.8010 (0.4); 3.5279 (0.4); 2.4213 (16.0); 1.5975 (9.9); 1.2931 (0.7); 0.1071 (1.2); 0.0486 (0.8); 0.0454 (0.4); 0.0378 (27.4); 0.0269 (1.0)
3-22: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.3597 (0.5); 7.3403 (0.8); 7.3146 (1.9); 7.2990 (3.5); 7.2885 (2.0); 7.0782 (1.2); 7.0508 (1.1); 7.0375 (1.9); 5.9893 (0.4); 5.9802 (0.4); 5.9616 (0.5); 5.9525 (0.4); 5.8305 (0.4); 5.8213 (0.4); 5.8029 (0.5); 5.7938 (0.4); 4.1209 (0.4); 3.7474 (0.4); 3.7317 (0.4); 3.7153 (0.5); 3.7039 (0.3); 3.6865 (0.4); 2.4418 (16.0); 2.4078 (9.5); 2.3448 (8.2); 2.0403 (0.4); 1.6357 (2.8); 0.0383 (3.9)
3-23: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.4014 (1.7); 7.3751 (2.1); 7.2984 (6.9); 7.2373 (2.0); 7.1469 (1.2); 7.1205 (1.0); 7.0648 (0.4); 7.0446 (0.8); 7.0252 (0.4); 6.1127 (0.4); 6.1029 (0.4); 6.0888 (0.5); 6.0787 (0.4); 5.9568 (0.4); 5.9473 (0.4); 5.9329 (0.5); 5.9230 (0.4); 4.2319 (0.3); 4.2216 (0.3); 4.1401 (0.4); 3.9259 (0.4); 3.9203 (0.3); 3.9016 (0.4); 3.8736 (0.5); 3.8549 (0.5); 3.8309 (0.3); 2.4216 (16.0); 2.3636 (9.2); 2.0419 (0.3); 1.6165 (8.0); 0.1062 (0.8); 0.0380 (3.2); 0.0363 (6.6)
3-24: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.7793 (0.6); 7.7594 (1.0); 7.7392 (0.6); 7.3541 (2.0); 7.3273 (2.3); 7.2989 (2.1); 7.0556 (2.5); 6.9873 (1.5); 6.9817 (1.3); 6.9604 (1.3); 6.9548 (1.1); 6.0854 (0.4); 6.0752 (0.5); 6.0621 (0.5); 6.0519 (0.4); 5.9299 (0.4); 5.9198 (0.5); 5.9066 (0.5); 5.8964 (0.4); 4.1700 (0.3); 4.0915 (0.3); 3.9478 (0.4); 3.9445 (0.4); 3.9246 (0.3); 3.8951 (0.5); 3.8756 (0.6); 3.8519 (0.3); 2.4191 (16.0); 2.4027 (0.4); 2.0368 (1.0); 1.8954 (0.5); 1.8842 (0.6); 1.8675 (1.1); 1.8558 (0.4); 1.8508 (0.6); 1.8397 (0.6); 1.6884 (0.9); 1.0650 (0.8); 1.0495 (1.8); 1.0430 (2.1); 1.0374 (1.1); 1.0278 (1.1); 1.0212 (1.9); 1.0149 (1.8); 1.0000 (0.9); 0.7232 (0.9); 0.7078 (2.4); 0.7023 (2.0); 0.6913 (2.0); 0.6858 (2.5); 0.6695 (0.7); 0.0350 (2.3)

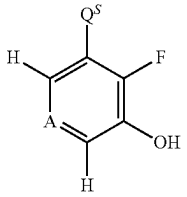
TABLE 8-continued

3-25: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.6655 (0.6); 7.6449 (1.2); 7.6244 (0.6); 7.3459 (2.0); 7.3189 (2.3); 7.3003 (1.7); 7.2985 (3.1); 6.9288 (2.5); 6.8999 (1.4); 6.8724 (1.2); 4.2575 (0.8); 4.2365 (0.8); 4.2089 (1.6); 4.1880 (1.6); 4.1603 (0.8); 4.1394 (0.8); 2.5073 (6.7); 2.3586 (16.0); 1.9016 (0.6); 1.8902 (0.6); 1.8738 (1.1); 1.8572 (0.7); 1.8459 (0.6); 1.8289 (0.3); 1.6523 (1.6); 1.0535 (0.8); 1.0384 (2.0); 1.0314 (2.3); 1.0164 (1.2); 1.0099 (2.1); 1.0035 (2.0); 0.9887 (0.9); 0.7385 (0.9); 0.7234 (2.6); 0.7179 (2.3); 0.7068 (2.1); 0.7012 (2.6); 0.6849 (0.7); 0.1077 (0.4); 0.0389 (1.8); 0.0371 (3.3)
3-26: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.7186 (1.5); 7.5576 (4.3); 7.5542 (3.9); 7.2987 (24.7); 6.4612 (0.4); 4.4628 (0.6); 4.4416 (0.5); 4.4132 (1.2); 4.3920 (1.1); 4.3628 (1.0); 4.3424 (0.6); 3.5281 (0.5); 2.4043 (10.2); 1.5963 (16.0); 1.2940 (0.6); 0.1067 (2.8); 0.0482 (1.0); 0.0374 (28.6); 0.0283 (0.9); 0.0266 (1.0)
3-27: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.9056 (0.5); 7.8848 (1.1); 7.8639 (0.5); 7.4594 (2.1); 7.4326 (2.4); 7.2989 (2.2); 7.2486 (2.2); 7.0700 (1.2); 7.0434 (1.1); 4.4683 (0.8); 4.4471 (0.7); 4.4205 (1.6); 4.3994 (1.6); 4.3728 (0.8); 4.3516 (0.8); 2.3839 (16.0); 2.3346 (8.7); 2.0378 (0.4); 1.6497 (1.9); 0.0354 (2.7)
3-28: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.4883 (0.7); 7.4398 (0.5); 7.4104 (1.1); 7.3826 (0.4); 7.2989 (18.5); 4.2725 (0.4); 4.2511 (0.3); 4.2226 (0.7); 4.2014 (0.7); 4.1726 (0.4); 4.1518 (0.4); 2.5703 (2.2); 2.5635 (1.2); 2.3771 (6.6); 2.0466 (0.3); 1.5857 (16.0); 1.2928 (0.7); 0.0484 (0.8); 0.0377 (24.8); 0.0268 (1.0)

TABLE 9

Compounds according to formula (4)

(4)

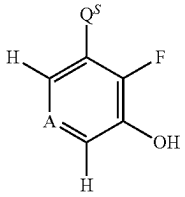


Ex N°	A	Q^S	LogP
4-01	CH	prop-1-en-1-yl	2.33[a]
4-02	CH	cyclopropyl	2.12[a]
4-03	CH	vinyl	1.96[a]
4-04	CH	ethynyl	1.72[a]

TABLE 9-continued

Compounds according to formula (4)

(4)



Ex N°	A	Q^S	LogP
4-05	CH	rac-2,2-difluorocyclopropyl	
4-06	CH	1-fluorocyclopropyl	

TABLE 10

4-01: ^{1}H-NMR(499.9 MHz, CDCl3):
δ = 7.3302 (0.3); 7.2563 (7.5); 6.9959 (2.3); 6.9937 (2.2); 6.9796 (5.4); 6.9781 (5.6); 6.9641 (3.7); 6.9622 (4.0); 6.9399 (3.1); 6.9294 (2.7); 6.9259 (2.0); 6.9094 (2.9); 6.9062 (3.5); 6.8931 (4.7); 6.8899 (5.3); 6.8767 (2.1); 6.8736 (2.2); 6.8480 (0.8); 6.8409 (3.0); 6.8383 (3.4); 6.8259 (5.3); 6.8183 (1.0); 6.8125 (2.7); 6.5247 (0.7); 6.5216 (0.8); 6.4929 (1.0); 6.4898 (1.1); 6.4244 (3.3); 6.4013 (3.6); 6.3514 (0.4); 6.3382 (1.1); 6.3249 (1.0); 6.3116 (0.4); 6.3064 (0.8); 6.2931 (0.8); 5.9560 (1.3); 5.9418 (3.8); 5.9330 (1.3); 5.9276 (3.9); 5.9188 (3.6); 5.9135 (1.5); 5.9046 (3.5); 5.8904 (1.2); 5.1702 (0.6); 5.1565 (0.6); 5.1063 (0.8); 2.0489 (0.8); 1.9189 (3.6); 1.9158 (3.7); 1.9056 (3.6); 1.9025 (3.7); 1.8255 (9.5); 1.8226 (16.0); 1.8196 (10.8); 1.8113 (9.8); 1.8083 (16.0); 1.8055 (10.6); 1.2596 (0.4); 1.2511 (0.5); 0.0813 (0.7); −0.0002 (9.1)
4-02: ^{1}H-NMR(300.1 MHz, d_6-DMSO):
δ = 9.6264 (16.0); 6.8628 (2.1); 6.8591 (2.1); 6.8364 (5.2); 6.8326 (5.3); 6.8101 (3.6); 6.8066 (3.8); 6.7434 (3.5); 6.7378 (3.8); 6.7159 (5.1); 6.7104 (5.3); 6.6887 (2.4); 6.6832 (2.3); 6.3737 (2.6); 6.3684 (2.6); 6.3475 (4.7); 6.3262 (2.4); 6.3211 (2.2); 5.7578 (0.4); 4.0415 (0.8); 4.0178 (0.9); 3.3382 (6.7); 2.5154 (2.8); 2.5095 (5.4); 2.5036 (7.2); 2.4976 (4.9); 2.4918 (2.2); 2.0462 (0.7); 2.0289 (1.6); 2.0180 (1.8); 2.0009 (3.3); 1.9896 (5.1); 1.9730 (1.8); 1.9556 (0.9); 1.1988 (1.0); 1.1751 (2.1); 1.1513 (1.0); 0.9636 (2.7); 0.9495 (7.4); 0.9420 (7.8); 0.9356 (3.5); 0.9287 (4.0); 0.9210 (7.8); 0.9136 (7.1); 0.9005 (3.3); 0.8787 (0.4); 0.7131 (0.3); 0.6811 (3.5); 0.6678 (8.1); 0.6606 (8.4); 0.6506 (7.8); 0.6434 (8.0); 0.6289 (2.6); −0.0004 (5.8)
4-03: ^{1}H-NMR(300.2 MHz, CDCl3):
δ = 7.2988 (8.3); 7.0822 (1.8); 7.0748 (2.4); 7.0563 (7.2); 7.0491 (7.3); 7.0406 (18.4); 7.0294 (8.8); 7.0183 (16.0); 7.0042 (0.7); 6.9921 (5.6); 6.9704 (6.4); 6.9630 (5.7); 6.9437 (7.8); 6.9375 (3.4); 6.9324 (4.6); 6.9257 (7.2); 6.9223 (4.7); 6.9109 (3.1); 6.8885 (6.8); 6.8667 (7.3); 6.8294 (7.6); 5.8978 (11.2); 5.8944 (11.6); 5.8387 (10.0); 5.8353 (10.3); 5.4557 (11.1); 5.4523 (11.2); 5.4184 (10.5); 5.4150 (10.7); 5.3378 (12.9); 5.2491 (9.5); 4.1831 (0.6); 4.1593 (0.6); 2.0946 (2.9); 1.6957 (8.4); 1.3266 (1.2); 1.3201 (1.8); 1.3029 (3.6); 1.2968 (3.9); 1.2790 (1.0); 1.2733 (1.4); 1.2639 (0.5); 0.9451 (0.6); 0.9234 (1.7); 0.9002 (0.7); 0.3136 (0.6); 0.3114 (0.6); 0.1135 (0.5); 0.0418 (9.8); 0.0309 (0.3)
4-04: ^{1}H-NMR(300.2 MHz, d_6-DMSO):
δ = 10.1443 (10.6); 7.0557 (1.1); 7.0475 (1.7); 7.0294 (5.0); 7.0208 (9.2); 7.0121 (10.7); 6.9957 (16.0); 6.9697 (3.6); 6.9611 (5.2); 6.9532 (4.8); 6.9420 (4.8); 6.9372 (2.6); 6.9281 (4.3); 6.9105 (2.0); 5.7720

TABLE 10-continued

(0.5); 4.4390 (15.0); 3.3732 (6.7); 2.5346 (1.0); 2.5286 (2.1); 2.5226 (2.9); 2.5166 (2.1); 2.5107 (1.0); 2.1030 (9.3); 2.0061 (0.8); 1.2540 (0.8); 1.1910 (0.5); 1.0987 (0.3); 1.0754 (0.7); 1.0521 (0.3); 0.8709 (0.6); 0.0130 (3.7)

4-05: ^{1}H-NMR(300.2 MHz, CDCl3):

δ = 7.2988 (0.5); 7.0418 (0.4); 7.0149 (1.2); 6.9891 (2.4); 6.9810 (1.1); 6.9623 (0.9); 6.9569 (0.9); 6.9354 (0.3); 6.7340 (0.4); 6.7264 (0.4); 6.7100 (0.8); 6.6868 (0.4); 6.6841 (0.4); 5.4977 (1.0); 5.3330 (0.8); 2.8803 (0.3); 2.8674 (0.6); 2.8398 (0.6); 2.8264 (0.4); 2.7988 (0.3); 2.0439 (16.0); 1.9405 (0.4); 1.9265 (0.6); 1.9103 (0.5); 1.9009 (0.6); 1.8842 (0.6); 1.8612 (0.4); 1.8442 (0.4); 1.7154 (0.3); 1.7014 (0.5); 1.6880 (0.7); 1.6738 (0.5); 1.6597 (0.7); 1.6462 (0.6); 0.0359 (0.7)

4-06: ^{1}H-NMR(300.2 MHz, CDCl3):

δ = 7.2989 (22.6); 7.1680 (0.4); 7.1558 (0.6); 7.1500 (0.9); 7.1325 (1.2); 7.1213 (0.4); 7.1047 (1.8); 7.0896 (1.0); 7.0770 (4.3); 7.0605 (33.6); 7.0549 (23.8); 7.0432 (11.9); 7.0398 (16.0); 7.0347 (9.4); 7.0256 (4.5); 7.0210 (3.8); 7.0125 (2.1); 7.0074 (1.9); 7.0039 (1.9); 5.1920 (11.4); 3.6842 (0.4); 3.3468 (0.4); 2.1527 (0.4); 2.1394 (0.3); 2.1195 (0.3); 2.1161 (0.3); 2.0859 (0.3); 2.0500 (0.4); 1.6703 (0.4); 1.6596 (0.6); 1.6394 (7.8); 1.5230 (3.1); 1.5003 (9.4); 1.4973 (10.4); 1.4743 (4.2); 1.4603 (3.2); 1.4377 (9.4); 1.4345 (10.3); 1.4116 (4.9); 1.3500 (0.5); 1.2497 (0.7); 1.2391 (0.5); 1.2200 (0.8); 1.1889 (4.2); 1.1732 (5.5); 1.1681 (11.0); 1.1612 (12.7); 1.1386 (13.2); 1.1327 (9.8); 1.1110 (3.1); 0.0502 (0.9); 0.0394 (29.9); 0.0285 (1.1)

Biological Examples

Example: In Vivo Preventive Test on *Alternaria brassicae* (Leaf Spot on Radish or Cabbage)

Solvent:	5% by volume of Dimethyl sulfoxide 10% by volume of Acetone
Emulsifier:	1 μl of Tween ® 80 per mg of active ingredient

The active ingredients were made soluble and homogenized in a mixture of Dimethyl sulfoxide/Acetone/Tween® 80 and then diluted in water to the desired concentration.

The young plants of radish or cabbage were treated by spraying the active ingredient prepared as described above. Control plants were treated only with an aqueous solution of Acetone/Dimethyl sulfoxide/Tween® 80.

After 24 hours, the plants were contaminated by spraying the leaves with an aqueous suspension of *Alternaria brassicae* spores. The contaminated radish or cabbage plants were incubated for 6 days at 20° C. and at 100% relative humidity.

The test was evaluated 6 days after the inoculation. 0% means an efficacy which corresponds to that of the control plants while an efficacy of 100% means that no disease was observed.

In this test the following compounds according to the invention showed efficacy between 70% and 79% at a concentration of 500 ppm of active ingredient: I-018; I-019; I-038; I-069; I-123; I-177; I-180; I-208; I-234; I-239; I-278; I-289; I-316; I-318; I-392; I-431; I-432; I-437; I-468; I-482; I-488; I-489; I-515; I-565; I-678; I-721; I-821

In this test the following compounds according to the invention showed efficacy between 80% and 89% at a concentration of 500 ppm of active ingredient: I-004; I-005; I-013; I-031; I-032; I-043; I-068; I-071; I-095; I-109; I-110; I-145; I-157; I-170; I-183; I-220; I-235; I-241; I-262; I-269; I-271; I-298; I-306; I-307; I-328; I-335; I-340; I-349; I-368; I-381; I-394; I-416; I-425; I-427; I-429; I-456; I-465; I-467; I-475; I-495; I-517; I-523; I-539; I-542; I-547; I-558; I-564; I-568; I-585; I-586; I-590; I-600; I-602; I-635; I-642; I-657; I-679; I-688; I-739; I-768; I-777; I-795; I-797; I-814; I-825

In this test the following compounds according to the invention showed efficacy between 90% and 100% at a concentration of 500 ppm of active ingredient: I-001; I-002; I-003; I-007; I-009; I-011; I-012; I-014; I-015; I-017; I-020; I-021; I-022; I-023; I-024; I-025; I-026; I-027; I-028; I-029; I-030; I-033; I-034; I-035; I-036; I-037; I-040; I-042; I-044; I-045; I-046; I-047; I-048; I-049; I-050; I-051; I-053; I-054; I-056; I-057; I-058; I-059; I-060; I-061; I-062; I-063; I-066; I-070; I-072; I-073; I-074; I-075; I-077; I-078; I-079; I-080; I-081; I-082; I-083; I-084; I-085; I-086; I-087; I-090; I-091; I-092; I-093; I-094; I-096; I-097; I-098; I-101; I-102; I-103; I-105; I-106; I-107; I-108; I-111; I-112; I-113; I-114; I-115; I-116; I-117; I-118; I-119; I-120; I-121; I-122; I-124; I-126; I-128; I-129; I-130; I-131; I-132; I-134; I-135; I-136; I-138; I-139; I-140; I-141; I-142; I-143; I-144; I-146; I-147; I-148; I-150; I-151; I-152; I-153; I-154; I-155; I-156; I-158; I-159; I-160; I-161; I-162; I-165; I-166; I-167; I-168; I-169; I-171; I-172; I-173; I-174; I-175; I-178; I-179; I-181; I-182; I-184; I-185; I-186; I-187; I-188; I-189; I-190; I-191; I-193; I-194; I-195; I-196; I-197; I-198; I-199; I-200; I-201; I-203; I-204; I-205; I-206; I-207; I-209; I-210; I-211; I-212; I-213; I-214; I-215; I-216; I-217; I-219; I-221; I-222; I-223; I-224; I-226; I-227; I-228; I-229; I-231; I-233; I-236; I-237; I-238; I-240; I-242; I-244; I-245; I-246; I-247; I-248; I-249; I-252; I-253; I-254; I-255; I-256; I-257; I-258; I-259; I-261; I-263; I-264; I-266; I-267; I-268; I-270; I-273; I-274; I-275; I-276; I-277; I-279; I-280; I-281; I-282; I-283; I-284; I-285; I-288; I-290; I-291; I-293; I-294; I-295; I-296; I-300; I-301; I-302; I-303; I-304; I-305; I-309; I-310; I-311; I-312; I-313; I-314; I-315; I-317; I-319; I-321; I-322; I-323; I-324; I-325; I-327; I-329; I-330; I-331; I-332; I-334; I-336; I-337; I-338; I-339; I-342; I-343; I-344; I-345; I-346; I-347; I-348; I-350; I-352; I-353; I-356; I-357; I-358; I-359; I-360; I-361; I-362; I-364; I-365; I-366; I-367; I-369; I-370; I-371; I-372; I-373; I-374; I-375; I-377; I-378; I-379; I-380; I-382; I-383; I-384; I-385; I-387; I-388; I-389; I-391; I-393; I-395; I-396; I-398; I-399; I-400; I-401; I-402; I-403; I-404; I-405; I-407; I-408; I-409; I-410; I-411; I-413; I-414; I-415; I-418; I-419; I-420; I-421; I-422; I-423; I-424; I-426; I-428; I-430; I-433; I-434; I-435; I-436; I-438; I-439; I-440; I-441; I-442; I-443; I-444; I-445; I-446; I-447; I-448; I-449; I-450; I-451; I-452; I-453; I-454; I-455; I-457; I-458; I-460; I-461; I-462; I-463; I-464; I-466; I-470; I-471; I-472; I-473; I-474; I-476; I-477; I-478; I-480; I-481; I-483; I-484; I-486; I-487; I-490; I-493; I-494; I-496; I-497; I-498; I-499; I-500; I-501; I-502; I-503; I-504; I-506; I-507; I-508; I-509; I-510; I-511; I-512; I-513; I-514; I-516; I-520; I-521; I-522; I-524; I-525; I-526; I-527; I-528; I-529; I-530; I-531; I-532; I-533; I-534; I-535; I-536; I-537; I-541; I-543; I-544; I-545; I-546; I-549; I-550; I-551; I-552; I-553; I-554; I-555; I-556; I-557; I-560; I-561; I-562; I-563; I-566; I-567; I-570; I-571; I-572; I-573; I-574; I-575; I-577; I-578; I-579; I-580; I-581; I-582; I-583; I-587; I-588; I-589; I-591; I-592; I-593; I-594; I-595; I-596; I-597; I-598; I-599; I-601; I-603;

I-604; I-605; I-606; I-607; I-608; I-609; I-610; I-611; I-612; I-613; I-614; I-615; I-616; I-617; I-618; I-619; I-620; I-621; I-622; I-623; I-624; I-625; I-626; I-627; I-628; I-629; I-630; I-631; I-632; I-634; I-636; I-637; I-638; I-639; I-640; I-641; I-643; I-644; I-645; I-646; I-647; I-648; I-649; I-650; I-651; I-652; I-653; I-654; I-655; I-656; I-658; I-659; I-660; I-661; I-662; I-665; I-666; I-674; I-675; I-676; I-677; I-680; I-681; I-682; I-683; I-684; I-685; I-686; I-687; I-689; I-690; I-691; I-693; I-694; I-695; I-696; I-697; I-698; I-699; I-700; I-701; I-702; I-703; I-704; I-705; I-706; I-707; I-708; I-709; I-710; I-711; I-712; I-713; I-714; I-715; I-716; I-717; I-718; I-719; I-720; I-722; I-723; I-724; I-725; I-726; I-727; I-728; I-729; I-730; I-731; I-732; I-733; I-734; I-735; I-736; I-737; I-738; I-740; I-741; I-742; I-743; I-744; I-745; I-748; I-749; I-750; I-752; I-753; I-754; I-755; I-756; I-757; I-759; I-760; I-761; I-762; I-763; I-767; I-770; I-771; I-772; I-773; I-775; I-776; I-779; I-780; I-781; I-782; I-783; I-784; I-786; I-787; I-788; I-789; I-790; I-791; I-794; I-796; I-800; I-801; I-802; I-803; I-804; I-805; I-806; I-807; I-808; I-809; I-810; I-812; I-815; I-816; I-817; I-818; I-819; I-820; I-822; I-823; I-824; I-827; I-828; I-830; I-831; I-832; I-834

Example: In Vivo Preventive Test on *Botrytis cinerea* (Grey Mould)

Solvent:	5% by volume of Dimethyl sulfoxide 10% by volume of Acetone
Emulsifier:	1 μl of Tween ® 80 per mg of active ingredient

The active ingredients were made soluble and homogenized in a mixture of Dimethyl sulfoxide/Acetone/Tween® 80 and then diluted in water to the desired concentration.

The young plants of gherkin or cabbage were treated by spraying the active ingredient prepared as described above. Control plants were treated only with an aqueous solution of Acetone/Dimethyl sulfoxide/Tween® 80.

After 24 hours, the plants were contaminated by spraying the leaves with an aqueous suspension of *Botrytis cinerea* spores. The contaminated gherkin plants were incubated for 4 to 5 days at 17° C. and at 90% relative humidity. The contaminated cabbage plants were incubated for 4 to 5 days at 20° C. and at 100% relative humidity.

The test was evaluated 4 to 5 days after the inoculation. 0% means an efficacy which corresponds to that of the control plants while an efficacy of 100% means that no disease was observed.

In this test the following compounds according to the invention showed efficacy between 70% and 79% at a concentration of 500 ppm of active ingredient: I-091; I-109; I-131; I-138; I-155; I-163; I-220; I-252; I-268; I-306; I-326; I-354; I-355; I-439; I-605; I-625; I-638; I-661; I-737

In this test the following compounds according to the invention showed efficacy between 80% and 89% at a concentration of 500 ppm of active ingredient: I-013; I-047; I-049; I-062; I-089; I-125; I-149; I-150; I-157; I-166; I-177; I-244; I-271; I-280; I-302; I-346; I-352; I-390; I-406; I-426; I-444; I-479; I-491; I-492; I-493; I-501; I-518; I-532; I-560; I-569; I-575; I-595; I-597; I-600; I-633; I-641; I-753; I-830

In this test the following compounds according to the invention showed efficacy between 90% and 100% at a concentration of 500 ppm of active ingredient: I-001; I-002; I-003; I-004; I-005; I-007; I-008; I-009; I-010; I-011; I-012; I-014; I-015; I-016; I-017; I-018; I-019; I-020; I-021; I-022; I-023; I-024; I-025; I-026; I-027; I-028; I-029; I-030; I-031; I-032; I-033; I-034; I-035; I-036; I-037; I-038; I-039; I-040; I-042; I-043; I-044; I-045; I-046; I-048; I-050; I-051; I-052; I-053; I-054; I-056; I-057; I-058; I-059; I-060; I-061; I-063; I-064; I-065; I-066; I-067; I-069; I-070; I-071; I-072; I-073; I-074; I-075; I-076; I-077; I-078; I-079; I-080; I-081; I-082; I-083; I-084; I-085; I-086; I-087; I-088; I-090; I-092; I-093; I-094; I-096; I-099; I-100; I-101; I-103; I-104; I-105; I-106; I-107; I-108; I-110; I-112; I-113; I-114; I-115; I-117; I-118; I-119; I-120; I-121; I-122; I-124; I-126; I-127; I-128; I-129; I-130; I-132; I-133; I-134; I-135; I-136; I-137; I-139; I-140; I-141; I-142; I-143; I-144; I-145; I-146; I-147; I-148; I-151; I-152; I-153; I-154; I-158; I-159; I-160; I-161; I-162; I-165; I-167; I-168; I-169; I-170; I-171; I-172; I-173; I-174; I-175; I-176; I-179; I-180; I-181; I-182; I-183; I-184; I-185; I-186; I-187; I-188; I-189; I-190; I-191; I-192; I-193; I-194; I-195; I-196; I-197; I-198; I-199; I-200; I-201; I-203; I-204; I-205; I-206; I-207; I-209; I-210; I-211; I-212; I-213; I-214; I-215; I-216; I-217; I-218; I-219; I-221; I-222; I-223; I-224; I-225; I-226; I-227; I-228; I-229; I-230; I-231; I-232; I-233; I-234; I-235; I-236; I-237; I-238; I-240; I-241; I-242; I-245; I-246; I-248; I-249; I-251; I-253; I-254; I-255; I-256; I-257; I-258; I-259; I-260; I-261; I-262; I-263; I-264; I-266; I-267; I-269; I-272; I-273; I-274; I-275; I-276; I-277; I-281; I-282; I-283; I-284; I-285; I-286; I-287; I-288; I-289; I-290; I-291; I-292; I-293; I-294; I-295; I-296; I-297; I-298; I-300; I-301; I-303; I-304; I-305; I-307; I-308; I-309; I-310; I-311; I-312; I-313; I-314; I-315; I-316; I-317; I-318; I-319; I-320; I-321; I-322; I-323; I-324; I-325; I-327; I-328; I-329; I-330; I-331; I-332; I-334; I-335; I-336; I-337; I-338; I-339; I-340; I-342; I-343; I-344; I-345; I-347; I-348; I-350; I-353; I-356; I-357; I-358; I-359; I-360; I-362; I-363; I-364; I-365; I-366; I-367; I-368; I-369; I-370; I-371; I-372; I-373; I-374; I-375; I-376; I-377; I-378; I-379; I-380; I-382; I-383; I-384; I-385; I-386; I-387; I-389; I-391; I-392; I-393; I-394; I-395; I-396; I-397; I-398; I-399; I-400; I-401; I-403; I-404; I-405; I-407; I-408; I-409; I-410; I-411; I-412; I-413; I-415; I-416; I-417; I-418; I-419; I-420; I-421; I-422; I-423; I-424; I-425; I-427; I-428; I-429; I-430; I-431; I-434; I-435; I-437; I-438; I-440; I-441; I-442; I-443; I-445; I-446; I-447; I-448; I-449; I-450; I-451; I-452; I-453; I-455; I-456; I-457; I-458; I-459; I-460; I-461; I-462; I-463; I-464; I-467; I-468; I-469; I-470; I-471; I-472; I-473; I-474; I-477; I-478; I-480; I-481; I-482; I-483; I-484; I-486; I-488; I-490; I-494; I-496; I-497; I-498; I-499; I-500; I-502; I-503; I-504; I-505; I-506; I-507; I-508; I-509; I-510; I-511; I-513; I-514; I-515; I-516; I-517; I-519; I-520; I-521; I-522; I-523; I-524; I-525; I-526; I-528; I-529; I-530; I-531; I-533; I-534; I-536; I-537; I-538; I-539; I-540; I-543; I-544; I-545; I-546; I-547; I-548; I-549; I-550; I-551; I-552; I-553; I-554; I-555; I-556; I-557; I-558; I-561; I-562; I-564; I-565; I-566; I-567; I-568; I-570; I-571; I-572; I-573; I-574; I-577; I-578; I-579; I-580; I-581; I-582; I-583; I-584; I-586; I-587; I-588; I-589; I-590; I-591; I-592; I-593; I-594; I-596; I-598; I-599; I-601; I-602; I-603; I-604; I-606; I-607; I-608; I-610; I-612; I-613; I-614; I-615; I-616; I-617; I-618; I-619; I-620; I-621; I-622; I-623; I-624; I-626; I-627; I-628; I-629; I-630; I-631; I-632; I-634; I-635; I-636; I-637; I-639; I-640; I-642; I-643; I-644; I-645; I-646; I-648; I-649; I-650; I-651; I-652; I-653; I-655; I-656; I-657; I-658; I-659; I-662; I-665; I-666; I-674; I-675; I-677; I-678; I-679; I-680; I-681; I-682; I-683; I-684; I-685; I-686; I-687; I-688; I-689; I-690; I-691; I-693; I-694; I-695; I-696; I-697; I-698; I-699; I-700; I-701; I-702; I-703; I-704; I-705; I-706; I-707; I-708; I-709; I-710; I-711; I-712; I-713; I-714; I-715; I-716; I-717; I-718; I-719; I-720; I-721; I-722; I-723; I-724; I-725; I-726; I-727; I-729; I-730; I-731; I-732; I-733; I-734; I-735; I-736; I-739; I-740; I-741; I-742; I-743; I-744; I-745; I-748; I-749; I-750; I-752; I-754; I-755; I-756; I-757; I-759; I-760; I-761; I-762; I-764; I-765; I-766; I-767; I-768; I-769; I-770; I-771; I-772; I-773; I-775; I-776;

I-777; I-779; I-780; I-781; I-782; I-783; I-784; I-785; I-786; I-787; I-788; I-789; I-790; I-791; I-792; I-793; I-794; I-795; I-796; I-797; I-798; I-800; I-802; I-803; I-804; I-805; I-806; I-807; I-808; I-809; I-810; I-811; I-812; I-813; I-814; I-815; I-816; I-817; I-818; I-820; I-821; I-822; I-823; I-824; I-825; I-827; I-831; I-832; I-834

Example: In Vivo Preventive Test on *Pyrenophora teres* (Net Blotch on Barley)

Solvent:	5% by volume of Dimethyl sulfoxide 10% by volume of Acetone
Emulsifier:	1 μl of Tween ® 80 per mg of active ingredient

The active ingredients were made soluble and homogenized in a mixture of Dimethyl sulfoxide/Acetone/Tween® 80 and then diluted in water to the desired concentration.

The young plants of barley were treated by spraying the active ingredient prepared as described above. Control plants were treated only with an aqueous solution of Acetone/Dimethyl sulfoxide/Tween® 80.

After 24 hours, the plants were contaminated by spraying the leaves with an aqueous suspension of *Pyrenophora teres* spores. The contaminated barley plants were incubated for 48 hours at 20° C. and at 100% relative humidity and then for 8 days at 20° C. and at 70-80% relative humidity.

The test was evaluated 10 days after the inoculation. 0% means an efficacy which corresponds to that of the control plants while an efficacy of 100% means that no disease was observed.

In this test the following compounds according to the invention showed efficacy between 70% and 79% at a concentration of 500 ppm of active ingredient: I-007; I-013; I-014; I-032; I-058; I-060; I-077; I-090; I-096; I-124; I-126; I-128; I-136; I-139; I-145; I-147; I-176; I-200; I-209; I-217; I-223; I-225; I-235; I-240; I-241; I-262; I-275; I-279; I-281; I-282; I-292; I-321; I-324; I-330; I-334; I-350; I-366; I-372; I-395; I-398; I-404; I-405; I-408; I-413; I-441; I-458; I-459; I-467; I-468; I-496; I-514; I-530; I-575; I-581; I-584; I-592; I-605; I-611; I-617; I-622; I-630; I-631; I-638; I-640; I-641; I-643; I-648; I-653; I-665; I-682; I-696; I-698; I-715; I-725; I-742; I-770; I-777; I-789; I-816; I-820

In this test the following compounds according to the invention showed efficacy between 80% and 89% at a concentration of 500 ppm of active ingredient: I-001; I-009; I-012; I-017; I-020; I-024; I-028; I-030; I-036; I-045; I-053; I-056; I-062; I-074; I-075; I-086; I-094; I-108; I-114; I-117; I-122; I-131; I-134; I-143; I-144; I-150; I-167; I-184; I-186; I-194; I-195; I-196; I-205; I-210; I-211; I-215; I-219; I-229; I-242; I-245; I-255; I-256; I-276; I-283; I-286; I-288; I-297; I-301; I-303; I-304; I-311; I-313; I-319; I-322; I-328; I-332; I-336; I-344; I-348; I-363; I-369; I-370; I-371; I-375; I-377; I-384; I-396; I-401; I-403; I-409; I-417; I-433; I-443; I-445; I-455; I-461; I-464; I-474; I-480; I-494; I-508; I-528; I-533; I-543; I-551; I-567; I-568; I-577; I-589; I-598; I-606; I-607; I-613; I-616; I-619; I-621; I-624; I-629; I-634; I-637; I-645; I-662; I-680; I-687; I-690; I-702; I-703; I-706; I-714; I-720; I-722; I-729; I-732; I-735; I-736; I-744; I-756; I-762; I-767; I-779; I-780; I-784; I-786; I-787; I-796; I-809; I-810; I-832

In this test the following compounds according to the invention showed efficacy between 90% and 100% at a concentration of 500 ppm of active ingredient: I-002; I-003; I-029; I-040; I-044; I-047; I-050; I-054; I-063; I-070; I-084; I-085; I-092; I-101; I-142; I-151; I-152; I-153; I-159; I-160; I-171; I-175; I-180; I-187; I-189; I-190; I-191; I-197; I-204; I-247; I-248; I-259; I-264; I-267; I-284; I-293; I-312; I-327; I-337; I-342; I-347; I-358; I-359; I-365; I-374; I-380; I-383; I-385; I-389; I-410; I-411; I-415; I-423; I-424; I-435; I-446; I-447; I-457; I-477; I-481; I-497; I-499; I-503; I-506; I-536; I-544; I-552; I-555; I-556; I-563; I-571; I-574; I-579; I-587; I-590; I-594; I-604; I-612; I-625; I-632; I-644; I-655; I-660; I-681; I-709; I-710; I-711; I-712; I-713; I-726; I-730; I-731; I-734; I-748; I-749; I-750; I-757; I-761; I-763; I-773; I-775; I-776; I-783; I-802; I-805; I-806; I-807; I-808; I-812; I-817; I-822; I-823; I-831; I-834

Example: In Vivo Preventive Test on *Sphaerotheca fuliqinea* (Powdery Mildew on Cucurbits)

Solvent:	5% by volume of Dimethyl sulfoxide 10% by volume of Acetone
Emulsifier:	1 μl of Tween ® 80 per mg of active ingredient

The active ingredients were made soluble and homogenized in a mixture of Dimethyl sulfoxide/Acetone/Tween® 80 and then diluted in water to the desired concentration.

The young plants of gherkin were treated by spraying the active ingredient prepared as described above. Control plants were treated only with an aqueous solution of Acetone/Dimethyl sulfoxide/Tween® 80.

After 24 hours, the plants were contaminated by spraying the leaves with an aqueous suspension of *Sphaerotheca fuliginea* spores. The contaminated gherkin plants were incubated for 8 days at 20° C. and at 70-80% relative humidity.

The test was evaluated 8 days after the inoculation. 0% means an efficacy which corresponds to that of the control plants while an efficacy of 100% means that no disease was observed.

In this test the following compounds according to the invention showed efficacy between 70% and 79% at a concentration of 500 ppm of active ingredient: I-059; I-078; I-235; I-282; I-287; I-313; I-466; I-473; I-519; I-538; I-541; I-542; I-545; I-548; I-675; I-677; I-729; I-745; I-800

In this test the following compounds according to the invention showed efficacy between 80% and 89% at a concentration of 500 ppm of active ingredient: I-066; I-076; I-095; I-099; I-108; I-138; I-195; I-261; I-270; I-277; I-294; I-335; I-351; I-354; I-397; I-399; I-426; I-451; I-483; I-484; I-508; I-513; I-564; I-577; I-603; I-618; I-648; I-666; I-759

In this test the following compounds according to the invention showed efficacy between 90% and 100% at a concentration of 500 ppm of active ingredient: I-001; I-002; I-003; I-004; I-005; I-007; I-009; I-011; I-012; I-013; I-014; I-015; I-017; I-018; I-019; I-020; I-021; I-022; I-023; I-024; I-026; I-027; I-028; I-029; I-030; I-032; I-033; I-034; I-035; I-036; I-037; I-038; I-040; I-042; I-044; I-045; I-047; I-048; I-050; I-052; I-053; I-054; I-057; I-061; I-062; I-063; I-064; I-067; I-068; I-070; I-072; I-073; I-074; I-075; I-077; I-079; I-081; I-082; I-084; I-085; I-086; I-090; I-092; I-093; I-094; I-096; I-100; I-101; I-103; I-104; I-106; I-107; I-110; I-112; I-113; I-114; I-115; I-117; I-119; I-121; I-122; I-124; I-126; I-128; I-129; I-130; I-133; I-134; I-135; I-136; I-137; I-140; I-142; I-143; I-144; I-145; I-146; I-147; I-149; I-150; I-151; I-152; I-153; I-156; I-157; I-159; I-160; I-161; I-162; I-163; I-165; I-167; I-168; I-171; I-172; I-174; I-175; I-176; I-177; I-179; I-180; I-181; I-182; I-186; I-187; I-188; I-189; I-190; I-191; I-192; I-193; I-194; I-196; I-197; I-198; I-200; I-202; I-203; I-204; I-207; I-208; I-209; I-210; I-211; I-212; I-213; I-214; I-215; I-217; I-218; I-219; I-221; I-222; I-223; I-224;

I-225; I-226; I-231; I-233; I-234; I-236; I-238; I-240; I-241; I-242; I-244; I-245; I-246; I-247; I-248; I-249; I-253; I-254; I-255; I-256; I-257; I-258; I-259; I-260; I-262; I-263; I-264; I-266; I-267; I-269; I-271; I-272; I-273; I-274; I-275; I-276; I-278; I-279; I-280; I-281; I-283; I-284; I-285; I-286; I-288; I-289; I-290; I-293; I-295; I-296; I-301; I-303; I-304; I-305; I-307; I-308; I-311; I-312; I-314; I-315; I-317; I-319; I-320; I-321; I-322; I-323; I-324; I-327; I-328; I-329; I-332; I-333; I-336; I-337; I-338; I-340; I-341; I-342; I-343; I-344; I-345; I-346; I-347; I-348; I-349; I-350; I-352; I-353; I-355; I-356; I-357; I-358; I-359; I-360; I-361; I-362; I-364; I-365; I-366; I-367; I-368; I-369; I-370; I-371; I-372; I-373; I-374; I-375; I-377; I-378; I-380; I-382; I-383; I-384; I-385; I-387; I-389; I-391; I-393; I-395; I-396; I-398; I-400; I-401; I-402; I-403; I-404; I-405; I-407; I-408; I-409; I-411; I-412; I-413; I-414; I-415; I-416; I-418; I-420; I-422; I-424; I-425; I-428; I-430; I-432; I-433; I-434; I-435; I-437; I-438; I-440; I-441; I-442; I-443; I-444; I-445; I-446; I-447; I-452; I-453; I-454; I-455; I-457; I-458; I-459; I-460; I-461; I-462; I-464; I-467; I-468; I-469; I-470; I-474; I-476; I-477; I-478; I-479; I-480; I-481; I-487; I-490; I-493; I-495; I-496; I-497; I-498; I-499; I-500; I-502; I-503; I-504; I-505; I-506; I-510; I-514; I-516; I-520; I-521; I-522; I-524; I-528; I-529; I-530; I-531; I-533; I-534; I-536; I-543; I-544; I-546; I-547; I-549; I-550; I-552; I-553; I-554; I-555; I-556; I-557; I-561; I-563; I-565; I-566; I-567; I-568; I-569; I-570; I-571; I-572; I-574; I-579; I-581; I-582; I-583; I-587; I-589; I-590; I-592; I-594; I-595; I-596; I-598; I-604; I-605; I-606; I-607; I-609; I-611; I-612; I-613; I-615; I-616; I-619; I-620; I-621; I-622; I-624; I-625; I-626; I-629; I-630; I-631; I-632; I-633; I-636; I-637; I-638; I-640; I-642; I-644; I-645; I-646; I-649; I-651; I-653; I-655; I-656; I-657; I-659; I-662; I-665; I-674; I-678; I-679; I-681; I-683; I-684; I-687; I-688; I-689; I-690; I-693; I-694; I-695; I-696; I-699; I-700; I-702; I-703; I-704; I-706; I-707; I-708; I-709; I-710; I-711; I-712; I-713; I-714; I-715; I-716; I-717; I-718; I-719; I-720; I-722; I-723; I-724; I-725; I-726; I-727; I-730; I-731; I-732; I-734; I-735; I-736; I-737; I-738; I-739; I-741; I-742; I-743; I-744; I-748; I-749; I-750; I-752; I-755; I-756; I-757; I-760; I-761; I-762; I-763; I-767; I-770; I-771; I-772; I-773; I-775; I-776; I-779; I-780; I-781; I-782; I-783; I-784; I-786; I-787; I-788; I-789; I-790; I-794; I-795; I-796; I-797; I-798; I-802; I-803; I-804; I-805; I-806; I-807; I-808; I-809; I-810; I-811; I-812; I-816; I-817; I-820; I-821; I-822; I-823; I-825; I-831; I-832; I-834

Example: In Vivo Preventive Test on *Colletotrichum lindemuthianum* (Leaf Spot on Bean)

Solvent:	5% by volume of Dimethyl sulfoxide 10% by volume of Acetone
Emulsifier:	1 μl of Tween ® 80 per mg of active ingredient

The active ingredients were made soluble and homogenized in a mixture of Dimethyl sulfoxide/Acetone/Tween® 80 and then diluted in water to the desired concentration.

The young plants of bean were treated by spraying the active ingredient prepared as described above. Control plants were treated only with an aqueous solution of Acetone/Dimethyl sulfoxide/Tween® 80.

After 24 hours, the plants were contaminated by spraying the leaves with an aqueous suspension of *Colletotrichum lindemuthianum* spores. The contaminated bean plants were incubated for 24 hours at 20° C. and at 100% relative humidity and then for 6 days at 20° C. and at 90% relative humidity.

The test was evaluated 7 days after the inoculation. 0% means an efficacy which corresponds to that of the control plants while an efficacy of 100% means that no disease was observed.

In this test the following compounds according to the invention showed efficacy between 70% and 79% at a concentration of 500 ppm of active ingredient: I-005; I-010; I-014; I-030; I-061; I-067; I-099; I-114; I-122; I-140; I-142; I-155; I-165; I-209; I-223; I-238; I-244; I-337; I-339; I-341; I-365; I-376; I-389; I-395; I-408; I-435; I-474; I-478; I-496; I-584; I-590; I-603; I-622; I-658; I-675; I-681; I-685; I-721; I-780; I-782; I-791; I-819; I-828

In this test the following compounds according to the invention showed efficacy between 80% and 89% at a concentration of 500 ppm of active ingredient: I-002; I-020; I-065; I-070; I-094; I-145; I-150; I-173; I-185; I-219; I-248; I-263; I-279; I-295; I-303; I-338; I-340; I-364; I-378; I-397; I-401; I-430; I-442; I-443; I-458; I-459; I-460; I-464; I-490; I-500; I-516; I-567; I-596; I-630; I-652; I-656; I-666; I-677; I-712; I-730; I-735; I-740; I-743; I-745; I-759; I-770; I-786; I-788; I-800; I-804; I-817

In this test the following compounds according to the invention showed efficacy between 90% and 100% at a concentration of 500 ppm of active ingredient: I-003; I-012; I-013; I-017; I-024; I-026; I-027; I-029; I-034; I-037; I-040; I-044; I-045; I-047; I-048; I-050; I-053; I-054; I-058; I-062; I-063; I-072; I-074; I-077; I-078; I-084; I-085; I-086; I-091; I-092; I-101; I-106; I-108; I-115; I-117; I-124; I-134; I-136; I-138; I-143; I-144; I-146; I-147; I-151; I-152; I-153; I-159; I-160; I-167; I-171; I-175; I-179; I-180; I-184; I-186; I-187; I-188; I-189; I-190; I-194; I-195; I-196; I-197; I-198; I-200; I-204; I-205; I-207; I-213; I-214; I-215; I-217; I-218; I-227; I-229; I-233; I-236; I-237; I-242; I-245; I-247; I-255; I-258; I-261; I-264; I-266; I-267; I-276; I-282; I-283; I-284; I-285; I-288; I-296; I-304; I-311; I-327; I-332; I-336; I-342; I-343; I-344; I-347; I-348; I-352; I-353; I-356; I-357; I-358; I-362; I-367; I-369; I-370; I-373; I-374; I-375; I-380; I-382; I-383; I-384; I-385; I-393; I-396; I-398; I-403; I-409; I-410; I-411; I-415; I-423; I-424; I-428; I-433; I-438; I-445; I-447; I-455; I-457; I-461; I-476; I-477; I-481; I-497; I-502; I-503; I-504; I-506; I-513; I-528; I-533; I-534; I-536; I-543; I-544; I-549; I-555; I-556; I-557; I-561; I-563; I-566; I-574; I-579; I-581; I-582; I-587; I-592; I-594; I-598; I-604; I-606; I-607; I-608; I-610; I-612; I-613; I-614; I-617; I-618; I-619; I-620; I-621; I-624; I-625; I-629; I-631; I-632; I-637; I-638; I-640; I-644; I-645; I-655; I-665; I-686; I-687; I-689; I-690; I-693; I-694; I-695; I-696; I-698; I-699; I-700; I-701; I-702; I-703; I-704; I-706; I-707; I-708; I-709; I-710; I-711; I-713; I-714; I-715; I-716; I-717; I-718; I-719; I-720; I-722; I-723; I-724; I-725; I-726; I-727; I-731; I-732; I-733; I-734; I-736; I-737; I-738; I-742; I-744; I-748; I-749; I-750; I-754; I-756; I-757; I-760; I-761; I-762; I-763; I-764; I-765; I-766; I-773; I-775; I-776; I-779; I-783; I-784; I-787; I-790; I-805; I-806; I-807; I-814; I-816; I-820; I-822; I-823; I-831; I-832; I-834

Example: *Alternaria alternata* In Vitro Cell Test

Solvent:	DMSO
Culture medium:	14.6 g anhydrous D-glucose (VWR), 7.1 g Mycological Peptone (Oxoid), 1.4 g granulated Yeast Extract (Merck), QSP 1 liter
Inoculum:	spores suspension

Fungicides were solubilized in DMSO and the solution used to prepare the required range of concentrations. The final concentration of DMSO used in the assay was <1%.

A spore suspension of *A. alternata* was prepared and diluted to the desired spore density.

Fungicides were evaluated for their ability to inhibit spore germination and mycelium growth in liquid culture assay. The compounds were added in the desired concentration to the culture medium with spores. After 5 days incubation, fungi-toxicity of compounds was determined by spectrometric measurement of mycelium growth. Inhibition of fungal growth was determined by comparing the absorbance values in wells containing the fungicides with the absorbance in control wells without fungicides.

In this test the following compounds according to the invention showed efficacy between 70% and 79% at a concentration of 20 ppm of active ingredient: I-018; I-055; I-088; I-097; I-268; I-289; I-306; I-307; I-308; I-335; I-412; I-437; I-439; I-453; I-705; I-745; I-778; I-792; I-800; I-828

In this test the following compounds according to the invention showed efficacy between 80% and 89% at a concentration of 20 ppm of active ingredient: I-016; I-052; I-066; I-068; I-069; I-071; I-087; I-091; I-094; I-098; I-102; I-116; I-118; I-123; I-148; I-164; I-166; I-169; I-192; I-199; I-208; I-216; I-221; I-224; I-232; I-253; I-287; I-299; I-302; I-320; I-326; I-330; I-334; I-354; I-365; I-370; I-376; I-392; I-397; I-414; I-431; I-451; I-473; I-482; I-489; I-490; I-491; I-509; I-518; I-519; I-523; I-525; I-527; I-535; I-540; I-542; I-570; I-585; I-586; I-647; I-660; I-672; I-676; I-727; I-728; I-769; I-814; I-825; I-830

In this test the following compounds according to the invention showed efficacy between 90% and 100% at a concentration of 20 ppm of active ingredient: I-001; I-002; I-003; I-004; I-005; I-007; I-008; I-009; I-010; I-011; I-012; I-013; I-014; I-015; I-017; I-019; I-020; I-021; I-022; I-023; I-024; I-025; I-026; I-027; I-028; I-029; I-030; I-032; I-033; I-034; I-035; I-036; I-037; I-038; I-040; I-041; I-042; I-043; I-044; I-045; I-046; I-047; I-048; I-049; I-050; I-051; I-053; I-054; I-056; I-057; I-058; I-059; I-060; I-061; I-062; I-063; I-064; I-065; I-067; I-070; I-072; I-073; I-074; I-075; I-076; I-077; I-078; I-079; I-080; I-081; I-082; I-083; I-084; I-085; I-086; I-090; I-092; I-093; I-095; I-096; I-099; I-100; I-101; I-103; I-105; I-106; I-107; I-108; I-109; I-110; I-111; I-112; I-113; I-114; I-115; I-117; I-119; I-120; I-121; I-122; I-124; I-125; I-126; I-127; I-128; I-129; I-130; I-131; I-132; I-133; I-134; I-135; I-136; I-137; I-138; I-139; I-140; I-141; I-142; I-143; I-144; I-145; I-146; I-147; I-149; I-151; I-152; I-153; I-154; I-155; I-157; I-158; I-159; I-160; I-161; I-162; I-165; I-167; I-168; I-170; I-171; I-172; I-173; I-174; I-175; I-176; I-178; I-179; I-180; I-181; I-182; I-183; I-184; I-185; I-186; I-187; I-188; I-189; I-190; I-191; I-193; I-194; I-195; I-196; I-197; I-198; I-200; I-201; I-203; I-204; I-205; I-206; I-207; I-209; I-210; I-211; I-212; I-213; I-214; I-215; I-217; I-218; I-219; I-220; I-223; I-225; I-226; I-227; I-228; I-229; I-230; I-231; I-233; I-234; I-235; I-236; I-237; I-238; I-239; I-240; I-241; I-242; I-244; I-245; I-246; I-247; I-248; I-249; I-250; I-251; I-252; I-254; I-255; I-256; I-257; I-258; I-259; I-260; I-261; I-262; I-263; I-264; I-265; I-266; I-267; I-269; I-270; I-271; I-272; I-273; I-274; I-275; I-276; I-277; I-279; I-280; I-281; I-282; I-283; I-284; I-285; I-286; I-288; I-290; I-291; I-292; I-293; I-294; I-295; I-296; I-297; I-298; I-300; I-301; I-303; I-304; I-305; I-309; I-310; I-311; I-312; I-313; I-315; I-316; I-317; I-318; I-319; I-321; I-322; I-323; I-324; I-325; I-327; I-328; I-329; I-331; I-332; I-333; I-336; I-337; I-338; I-339; I-340; I-342; I-343; I-344; I-345; I-346; I-347; I-348; I-349; I-350; I-351; I-352; I-353; I-356; I-357; I-358; I-359; I-360; I-361; I-362; I-363; I-364; I-366; I-367; I-369; I-371; I-372; I-373; I-374; I-375; I-377; I-378; I-379; I-380; I-381; I-382; I-383; I-384; I-385; I-386; I-387; I-388; I-389; I-391; I-393; I-394; I-395; I-396; I-398; I-399; I-400; I-401; I-402; I-403; I-404; I-405; I-406; I-407; I-408; I-409; I-410; I-411; I-413; I-415; I-417; I-418; I-419; I-420; I-421; I-422; I-423; I-424; I-425; I-426; I-427; I-428; I-429; I-430; I-432; I-433; I-434; I-435; I-438; I-440; I-441; I-442; I-443; I-444; I-445; I-446; I-447; I-449; I-450; I-452; I-454; I-455; I-456; I-457; I-458; I-459; I-460; I-461; I-462; I-463; I-464; I-465; I-466; I-467; I-468; I-469; I-470; I-471; I-472; I-474; I-475; I-476; I-477; I-478; I-479; I-480; I-481; I-483; I-484; I-485; I-486; I-487; I-488; I-492; I-493; I-494; I-495; I-496; I-497; I-499; I-500; I-501; I-502; I-503; I-504; I-505; I-506; I-508; I-510; I-511; I-512; I-513; I-514; I-516; I-517; I-520; I-521; I-522; I-524; I-526; I-528; I-530; I-531; I-532; I-533; I-534; I-536; I-537; I-538; I-541; I-543; I-544; I-545; I-546; I-547; I-549; I-550; I-551; I-552; I-553; I-554; I-555; I-556; I-557; I-560; I-561; I-562; I-563; I-564; I-565; I-566; I-567; I-568; I-571; I-572; I-573; I-574; I-575; I-576; I-577; I-578; I-579; I-580; I-581; I-582; I-583; I-584; I-587; I-588; I-589; I-590; I-591; I-592; I-593; I-594; I-595; I-596; I-597; I-598; I-599; I-600; I-601; I-603; I-604; I-605; I-606; I-607; I-608; I-609; I-610; I-611; I-612; I-613; I-614; I-615; I-616; I-617; I-618; I-619; I-620; I-621; I-622; I-623; I-624; I-625; I-626; I-627; I-628; I-629; I-630; I-631; I-632; I-634; I-636; I-637; I-638; I-639; I-640; I-641; I-642; I-643; I-644; I-645; I-646; I-648; I-649; I-650; I-651; I-652; I-653; I-654; I-655; I-656; I-657; I-658; I-659; I-661; I-662; I-664; I-665; I-666; I-673; I-674; I-675; I-677; I-678; I-679; I-680; I-681; I-683; I-684; I-686; I-687; I-688; I-692; I-693; I-694; I-695; I-696; I-698; I-699; I-700; I-701; I-702; I-703; I-704; I-706; I-707; I-708; I-709; I-710; I-711; I-712; I-713; I-714; I-715; I-716; I-717; I-718; I-719; I-720; I-721; I-722; I-724; I-725; I-726; I-729; I-730; I-731; I-733; I-735; I-736; I-737; I-738; I-741; I-742; I-743; I-744; I-746; I-747; I-748; I-749; I-750; I-755; I-756; I-757; I-760; I-761; I-762; I-763; I-764; I-765; I-766; I-767; I-768; I-770; I-771; I-773; I-775; I-776; I-777; I-779; I-780; I-781; I-782; I-783; I-784; I-786; I-787; I-788; I-789; I-790; I-791; I-793; I-794; I-795; I-796; I-797; I-798; I-801; I-802; I-803; I-804; I-805; I-806; I-807; I-808; I-809; I-810; I-811; I-812; I-813; I-815; I-816; I-817; I-818; I-820; I-821; I-822; I-823; I-824; I-826; I-827; I-831; I-832; I-834

Example: *Septoria tritici* In Vitro Cell Test

Solvent:	DMSO
Culture medium:	14.6 g anhydrous D-glucose (VWR), 7.1 g Bacteriological Peptone (Oxoid), 1.4 g granulated Yeast Extract (Merck), QSP 1 liter
Inoculum:	spore suspension

Fungicides were solubilized in DMSO and the solution used to prepare the required range of concentrations. The final concentration of DMSO used in the assay was ≤1%.

A spore suspension of *S. tritici* was prepared and diluted to the desired spore density.

Fungicides were evaluated for their ability to inhibit spore germination and mycelium growth in liquid culture assay. The compounds were added in the desired concentration to the culture medium with spores. After 7 days incubation, fungi-toxicity of compounds was determined by spectrometric measurement of mycelium growth. Inhibition of fungal growth was determined by comparing the absorbance values

in wells containing the fungicides with the absorbance in control wells without fungicides.

In this test the following compounds according to the invention showed efficacy between 70% and 79% at a concentration of 20 ppm of active ingredient: I-085; I-194; I-203; I-212; I-344; I-380; I-407; I-478; I-680; I-703; I-707; I-709; I-710; I-712; I-735; I-755; I-790; I-796

In this test the following compounds according to the invention showed efficacy between 80% and 89% at a concentration of 20 ppm of active ingredient: I-003; I-106; I-142; I-172; I-179; I-191; I-198; I-230; I-304; I-369; I-379; I-385; I-398; I-399; I-415; I-422; I-430; I-445; I-640; I-679; I-742; I-744

In this test the following compounds according to the invention showed efficacy between 90% and 100% at a concentration of 20 ppm of active ingredient: I-012; I-016; I-030; I-032; I-040; I-054; I-055; I-070; I-077; I-084; I-092; I-124; I-136; I-173; I-176; I-186; I-190; I-197; I-207; I-208; I-218; I-231; I-245; I-257; I-265; I-285; I-293; I-353; I-358; I-359; I-372; I-374; I-383; I-389; I-405; I-411; I-455; I-458; I-497; I-499; I-506; I-508; I-524; I-550; I-616; I-725; I-726; I-763; I-805; I-807; I-808; I-822

Example: *Colletotrichum lindemuthianum* In Vitro Cell Test

Solvent:	DMSO
Culture medium:	14.6 g anhydrous D-glucose (VWR), 7.1 g Mycological Peptone (Oxoid), 1.4 g granulated Yeast Extract (Merck), QSP 1 liter
Inoculum:	spores suspension

Fungicides were solubilized in DMSO and the solution used to prepare the required range of concentrations. The final concentration of DMSO used in the assay was ≤1%.

A spore suspension of *C. lindemuthianum* was prepared and diluted to the desired spore density.

Fungicides were evaluated for their ability to inhibit spores germination and mycelium growth in liquid culture assay. The compounds were added in the desired concentration to the culture medium with spores. After 6 days incubation, fungi-toxicity of compounds was determined by spectrometric measurement of mycelium growth. Inhibition of fungal growth was determined by comparing the absorbance values in wells containing the fungicides with the absorbance in control wells without fungicides.

In this test the following compounds according to the invention showed efficacy between 70% and 79% at a concentration of 20 ppm of active ingredient: I-039; I-051; I-052; I-068; I-076; I-089; I-123; I-156; I-168; I-170; I-280; I-287; I-299; I-305; I-306; I-314; I-323; I-325; I-329; I-346; I-351; I-368; I-381; I-397; I-412; I-413; I-436; I-437; I-451; I-452; I-525; I-541; I-564; I-585; I-691; I-732; I-736; I-793; I-800; I-813; I-829

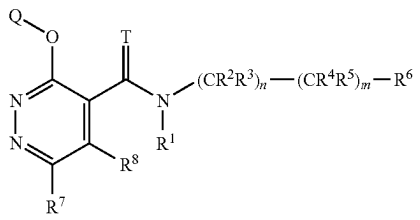
In this test the following compounds according to the invention showed efficacy between 80% and 89% at a concentration of 20 ppm of active ingredient: I-004; I-006; I-066; I-071; I-095; I-098; I-100; I-112; I-116; I-119; I-131; I-132; I-138; I-150; I-164; I-166; I-179; I-180; I-199; I-213; I-224; I-227; I-231; I-232; I-246; I-271; I-291; I-302; I-310; I-313; I-326; I-334; I-335; I-405; I-414; I-425; I-429; I-431; I-432; I-462; I-465; I-466; I-475; I-479; I-482; I-484; I-487; I-491; I-492; I-493; I-495; I-518; I-521; I-527; I-535; I-537; I-540; I-542; I-559; I-560; I-562; I-568; I-576; I-583; I-586; I-601; I-609; I-628; I-647; I-660; I-672; I-689; I-727; I-728; I-792; I-795; I-797; I-809; I-812; I-825

In this test the following compounds according to the invention showed efficacy between 90% and 100% at a concentration of 20 ppm of active ingredient: I-001; I-002; I-003; I-005; I-008; I-009; I-010; I-011; I-012; I-013; I-014; I-017; I-020; I-021; I-022; I-023; I-024; I-025; I-026; I-027; I-028; I-029; I-030; I-032; I-033; I-034; I-035; I-036; I-037; I-038; I-041; I-042; I-043; I-044; I-045; I-046; I-047; I-048; I-049; I-050; I-053; I-054; I-056; I-057; I-058; I-060; I-061; I-062; I-063; I-064; I-065; I-069; I-070; I-072; I-074; I-077; I-078; I-080; I-081; I-082; I-083; I-084; I-085; I-086; I-090; I-091; I-092; I-093; I-094; I-096; I-101; I-103; I-104; I-105; I-106; I-107; I-108; I-111; I-114; I-115; I-117; I-118; I-120; I-121; I-122; I-124; I-126; I-127; I-128; I-129; I-130; I-133; I-134; I-135; I-136; I-137; I-139; I-140; I-141; I-142; I-143; I-144; I-145; I-146; I-147; I-149; I-151; I-152; I-153; I-154; I-155; I-157; I-158; I-159; I-160; I-161; I-162; I-165; I-167; I-169; I-171; I-172; I-173; I-174; I-175; I-176; I-178; I-181; I-182; I-183; I-184; I-185; I-186; I-187; I-188; I-189; I-190; I-191; I-192; I-193; I-194; I-195; I-196; I-197; I-198; I-200; I-201; I-202; I-203; I-204; I-205; I-206; I-207; I-209; I-210; I-211; I-212; I-214; I-215; I-216; I-217; I-218; I-219; I-220; I-221; I-222; I-223; I-225; I-226; I-228; I-229; I-230; I-233; I-234; I-235; I-236; I-237; I-238; I-239; I-240; I-241; I-242; I-243; I-244; I-245; I-247; I-248; I-249; I-251; I-252; I-254; I-255; I-256; I-257; I-258; I-259; I-260; I-261; I-262; I-263; I-264; I-265; I-266; I-267; I-269; I-270; I-272; I-273; I-274; I-275; I-276; I-277; I-279; I-281; I-282; I-283; I-284; I-285; I-288; I-290; I-292; I-293; I-294; I-295; I-296; I-298; I-300; I-301; I-303; I-304; I-308; I-309; I-311; I-312; I-315; I-316; I-317; I-318; I-319; I-320; I-321; I-322; I-324; I-327; I-330; I-331; I-332; I-333; I-336; I-337; I-338; I-339; I-340; I-342; I-343; I-345; I-347; I-350; I-352; I-353; I-356; I-357; I-358; I-359; I-360; I-361; I-362; I-363; I-364; I-365; I-366; I-367; I-369; I-370; I-372; I-373; I-374; I-377; I-378; I-379; I-380; I-382; I-383; I-384; I-385; I-386; I-387; I-388; I-389; I-390; I-391; I-392; I-393; I-394; I-395; I-396; I-398; I-399; I-400; I-401; I-402; I-403; I-404; I-406; I-407; I-408; I-409; I-410; I-415; I-418; I-420; I-421; I-422; I-423; I-424; I-426; I-428; I-430; I-433; I-434; I-438; I-440; I-441; I-442; I-443; I-444; I-445; I-446; I-447; I-449; I-450; I-453; I-454; I-455; I-456; I-457; I-458; I-461; I-463; I-464; I-467; I-468; I-469; I-470; I-471; I-472; I-474; I-476; I-477; I-480; I-481; I-483; I-485; I-486; I-488; I-489; I-490; I-497; I-499; I-500; I-502; I-503; I-504; I-508; I-510; I-511; I-513; I-514; I-517; I-520; I-524; I-528; I-530; I-531; I-533; I-536; I-543; I-544; I-545; I-546; I-547; I-550; I-551; I-552; I-553; I-554; I-555; I-556; I-557; I-561; I-563; I-565; I-566; I-567; I-570; I-571; I-572; I-574; I-575; I-577; I-578; I-579; I-580; I-581; I-582; I-587; I-588; I-589; I-590; I-591; I-592; I-593; I-594; I-595; I-597; I-598; I-599; I-600; I-604; I-605; I-606; I-607; I-608; I-610; I-611; I-612; I-613; I-614; I-615; I-616; I-617; I-618; I-619; I-620; I-621; I-622; I-624; I-625; I-626; I-627; I-629; I-630; I-631; I-632; I-634; I-636; I-637; I-638; I-639; I-640; I-642; I-643; I-644; I-645; I-648; I-649; I-650; I-651; I-652; I-653; I-654; I-655; I-656; I-657; I-658; I-659; I-661; I-662; I-664; I-665; I-666; I-673; I-674; I-675; I-676; I-677; I-678; I-679; I-680; I-681; I-683; I-684; I-686; I-687; I-692; I-693; I-694; I-695; I-696; I-697; I-698; I-699; I-700; I-701; I-702; I-703; I-704; I-706; I-707; I-708; I-709; I-710; I-711; I-712; I-713; I-714; I-715; I-716; I-717; I-718; I-719; I-720; I-721; I-722; I-723; I-724; I-725; I-726; I-730; I-731; I-733; I-734; I-735; I-737; I-738; I-739; I-740; I-741; I-742; I-743; I-744; I-745; I-746; I-747; I-748; I-749; I-750; I-754; I-755; I-756; I-757; I-760; I-761; I-762; I-763; I-764; I-765; I-766; I-767; I-768; I-769; I-770; I-771; I-772; I-773; I-775; I-776; I-777; I-778; I-779;

I-780; I-781; I-782; I-783; I-784; I-786; I-787; I-788; I-789; I-790; I-791; I-794; I-796; I-798; I-801; I-802; I-803; I-804; I-805; I-806; I-807; I-808; I-810; I-811; I-814; I-815; I-816; I-817; I-818; I-819; I-820; I-821; I-822; I-823; I-824; I-826; I-827; I-828; I-830; I-831; I-832; I-834

The invention claimed is:

1. A compound of formula (I):



(I)

wherein

T is O or S;

n is 0 or 1;

m is 0 or 1;

provided m is 1 when n is 1;

R^1 is selected from the group consisting of hydrogen, hydroxyl, cyano, C_1-C_6-alkyl, C_1-C_6-alkoxy, C_1-C_6-alkoxy-C_1-C_6-alkyl, —C(=O)R^{a1}, —C(=O) (OR^{a1}), —S(=O)R^{a1}, —S(=O)$_2R^{a1}$, —C(=O)N(R^{a2})$_2$ and S(=O)$_2$N(R^{a2})$_2$, wherein R^{a1} is selected from the group consisting of C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_3-C_8-cycloalkyl, and C_2-C_6-alkenyl and R^{a2} is selected from the group consisting of hydrogen, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_3-C_8-cycloalkyl and C_2-C_6-alkenyl;

R^2 and R^3 are independently selected from the group consisting of hydrogen, halogen, cyano, hydroxyl, carboxyl, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_1-C_6-alkoxycarbonyl and C_3-C_8-cycloalkyl, or R^2 and R^3 form, together with the carbon atom to which they are attached to, a C_3-C_8-cycloalkyl or a non-aromatic 3- to 7-membered monocyclic heterocycle;

R^4 and R^5 are independently selected from the group consisting of hydrogen, halogen, cyano, hydroxyl, carboxyl, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_1-C_6-alkoxycarbonyl and C_3-C_8-cycloalkyl, or R^4 and R^5 form, together with the carbon atom to which they are attached to, a C_3-C_8-cycloalkyl or a non-aromatic 3- to 7-membered monocyclic heterocycle; or

R^2 and R^4 form, together with the carbon atom to which they are attached to, a C_3-C_8-cycloalkyl or a non-aromatic 3- to 7-membered monocyclic heterocycle, and R^3 and R^5 are independently hydrogen or halogen; or

R^2 and R^4 form together a covalent bond and R^3 and R^5 are independently hydrogen or C_1-C_6-alkyl;

R^6 is selected from the group consisting of phenyl, indanyl, 1,2,3,4-tetrahydronaphthalenyl, spiro [cyclopropane-1,2'-indane]-1-yl, naphthyl, 2,3-dihydrobenzofuranyl, indolinyl, 1,3-benzodioxolyl, chromanyl, isochromanyl, thiochromanyl, 2,3-dihydro-1,4-benzodioxinyl, 5,6,7,8-tetrahydroquinolinyl, 4,5,6,7-tetrahydrobenzothiophenyl, furanyl, thienyl, pyridinyl, pyrimidinyl, indolyl, benzofuranyl, benzoxazolyl, quinolinyl, isoquinolinyl, imidazo [1,2-a]pyridinyl, phenoxy, benzyloxy and —OCF$_2$-phenyl, wherein each cyclic, or cyclic moiety of R^6 may be substituted with one or more R^{6S} that may be the same or different

R^{6S} is selected from the group consisting of halogen, cyano, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_2-C_6-alkenyl, C_2-C_6-alkynyl, C_1-C_6-haloalkylsulfanyl, C_3-C_8-cycloalkyl, aromatic C_6-C_{14}-carbocycle, aromatic 5- or 6-membered monocyclic heterocycle and non-aromatic 3- to 7-membered monocyclic heterocycle, wherein each cyclic R^{6S} may be substituted independently with one or more halogen, C_1-C_6-alkyl, C_1-C_6-haloalkyl or C_1-C_6-alkoxycarbonyl;

R^7 is selected from the group consisting of hydrogen, halogen, cyano, isocyano, hydroxyl, mercapto, nitro, amino, formyl, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-hydroxyalkyl, C_1-C_6-alkylcarbonyl, C_1-C_6-haloalkylcarbonyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_2-C_6-alkenyl, C_2-C_6-haloalkenyl, C_2-C_6-alkynyl, C_2-C_6-haloalkynyl, C_2-C_6-alkenyloxy, C_2-C_6-haloalkenyloxy, C_2-C_6-alkynyloxy, C_2-C_6-haloalkynyloxy, C_1-C_6-alkylsulfanyl, C_1-C_6-haloalkylsulfanyl, C_3-C_8-cycloalkylsulfanyl, C_1-C_6-alkylsulfinyl, C_1-C_6-haloalkylsulfinyl, C_3-C_8-cycloalkylsulfinyl, C_1-C_6-alkylsulfonyl, C_1-C_6-haloalkylsulfonyl, C_3-C_8-cycloalkylsulfonyl, C_3-C_8-cycloalkyl, C_3-C_6-cycloalkenyl, aromatic C_6-C_{14}-carbocycle, aromatic 5- or 6-membered monocyclic heterocycle, non-aromatic 3- to 7-membered monocyclic heterocycle, C_3-C_8-cycloalkyloxy, aromatic C_6-C_{14}-carbocyclyloxy, aromatic 5- or 6-membered monocyclic heterocyclyloxy, non-aromatic 3- to 7-membered monocyclic heterocyclyloxy, —O—Si(C_1-C_6-alkyl)$_3$, —Si(C_1-C_6-alkyl)$_3$, —N(R^e)$_2$, —C(=NR^f)R^f, —NR^gC, (=O)R^g, —C(=O)(OR^g), —C(=O)N(R^8)$_2$, —S(=O)$_2$N(R^g)$_2$ and —S(=O)(=NR^g)R^g,

wherein R^e is independently selected from the group consisting of hydrogen, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_2-C_6-alkenyl, C_2-C_6-haloalkenyl, C_2-C_6-alkynyl, C_2-C_6-haloalkynyl, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, aromatic C_6-C_{14}-carbocycle, aromatic 5- or 6-membered monocyclic heterocycle and non-aromatic 3- to 7-membered monocyclic heterocycle,

wherein R^f is independently selected from the group consisting of hydroxyl, amino, cyano, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_1-C_6-alkylamino and di (C_1-C_6-alkyl) amino,

wherein R^g is independently selected from the group consisting of hydrogen, C_1-C_6-alkyl, C_1-C_6-haloalkyl and C_3-C_8-cycloalkyl,

wherein each aliphatic R^7, R^e, R^f and R^g may be substituted with one or more R^{7Sa} that may be the same or different,

wherein each cyclic or cyclic moiety of R^7, each cyclic R^e and each cyclic R^g may be substituted with one or more R^{7Se} that may be the same or different,

R^{7Sa} is selected from the group consisting of cyano, hydroxyl, carboxyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, C_1-C_6-alkoxycarbonyl, —O—Si(C_1-C_6-alkyl)$_3$, —Si(C_1-C_6-alkyl)$_3$, aromatic C_6-C_{14}-carbocycle and non-aromatic 3- to 7-membered monocyclic heterocycle,

R^{7Sc} is selected from the group consisting of halogen, cyano, nitro, hydroxyl, formyl, oxo, methylidene, halomethylidene, C_1-C_6-alkyl, C_1-C_6-haloalkyl C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_2-C_6-alkenyl,

C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, —O—Si(C_1-C_6-alkyl)$_3$ and non-aromatic 3- to 7-membered monocyclic heterocycle, or two R^{7Se} form, together with the carbon atom to which they are attached to, a C_3-C_8-cycloalkyl;

R^8 is selected from the group consisting of hydrogen, halogen, cyano, isocyano, amino, nitro, hydroxyl, mercapto, carboxyl, C_1-C_6-alkoxycarbonyl, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-hydroxyalkyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_2-C_6-alkenyl, C_2-C_6-haloalkenyl, C_2-C_6-alkynyl, C_2-C_6-haloalkynyl, C_2-C_6-alkenyloxy, C_2-C_6-haloalkenyloxy, C_2-C_6-alkynyloxy, C_2-C_6-haloalkynyloxy, C_1-C_6-alkylsulfanyl, C_1-C_6-haloalkylsulfanyl, C_1-C_6-alkylsulfinyl, C_1-C_6-haloalkylsulfinyl, C_1-C_6-alkylsulfonyl, C_1-C_6-haloalkylsulfonyl, C_3-C_8-cycloalkyl, C_3-C_6-cycloalkenyl, aromatic C_6-C_{14}-carbocycle, non-aromatic 3- to 14-membered heterocycle, aromatic 5- to 14-membered heterocycle, C_3-C_8-cycloalkyloxy, aromatic C_6-C_{14}-carbocyclyloxy, non-aromatic 3- to 14-membered heterocyclyloxy, aromatic 5- to 14-membered heterocyclyloxy, —O—Si(C_1-C_6-alkyl)$_3$, —Si(C_1-C_6-alkyl)$_3$, —N(Rh)$_2$, —SR^i, —S(=O)R^i and —S(=O)$_2$R^i,

wherein R^h is independently selected from the group consisting of hydrogen, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_2-C_6-alkenyl, C_2-C_6-haloalkenyl, C_2-C_6-alkynyl, C_2-C_6-haloalkynyl, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, aromatic C_6-C_{14}-carbocycle, aromatic 5- to 14-membered heterocycle and non-aromatic 3- to 7-membered monocyclic heterocycle,

wherein R^i is selected from the group consisting of C_2-C_6-alkenyl, C_2-C_6-haloalkenyl, C_2-C_6-alkynyl, C_2-C_6-haloalkynyl, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, aromatic C_6-C_{14}-carbocycle, aromatic 5- to 14-membered heterocycle and non-aromatic 3- to 7-membered monocyclic heterocycle,

wherein each aliphatic R^8, R^h and R^i may be substituted with one or more R^{8Sa} that may be the same or different,

wherein each cyclic or cyclic moiety of R^8, each cyclic R^h and each cyclic R^i may be substituted with one or more R^{8Se} that may be the same or different,

R^{8Sa} is selected from the group consisting of cyano, amino, nitro, hydroxyl, formyl, carboxyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_1-C_6-alkoxy-C_1-C_6-alkoxy, C_1-C_6-alkoxycarbonyl, C_1-C_6-haloalkoxycarbonyl, C_1-C_6-alkylcarbonyl, C_1-C_6-haloalkylcarbonyl, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, C_1-C_6-alkylsulfanyl, C_1-C_6-haloalkylsulfanyl, C_1-C_6-alkylsulfinyl, C_1-C_6-haloalkylsulfinyl, C_1-C_6-alkylsulfonyl, C_1-C_6-haloalkylsulfonyl, —O—Si(C_1-C_6-alkyl)$_3$, —Si(C_1-C_6-alkyl)$_3$, non-aromatic 3- to 7-membered monocyclic heterocycle and —N($R^{a'}$)$_2$ with $R^{a'}$ being independently selected from the group consisting of hydrogen, formyl, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_3-C_8-cycloalkyl and C_1-C_6-alkylcarbonyl, wherein said non-aromatic 3- to 7-membered monocyclic heterocycle R^{8Sa} may be substituted with one or more C_1-C_6-alkyl that may be the same or different,

R^{8Sc} is selected from the group consisting of halogen, cyano, amino, nitro, hydroxyl, formyl, carboxyl, oxo, methylidene, halomethylidene, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_1-C_6-alkoxycarbonyl, C_1-C_6-haloalkoxycarbonyl, C_2-C_6-alkenyl, C_1-C_6-alkylsulfanyl, C_1-C_6-alkylsulfinyl, C_1-C_6-alkylsulfonyl, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, —O—Si(C_1-C_6-alkyl)$_3$ and non-aromatic 3- to 7-membered monocyclic heterocycle that may be substituted with one or more C_1-C_6-alkyl that may be the same or different, or two R^{8Se} form, together with the carbon atom to which they are attached to, a C_3-C_8-cycloalkyl or a non-aromatic 3- to 7-membered monocyclic heterocycle, wherein said non-aromatic 3- to 7-membered monocyclic heterocycle may be substituted with one or more C_1-C_6-alkyl that may be the same or different; and

Q is selected from the group consisting of phenyl, naphthyl, bicyclo[4.2.0] octa-1 (6),2,4-trienyl, benzodioxolyl, 2,3-dihydrobenzofuranyl, pyridinyl, thienyl and indolyl, wherein said phenyl, naphthyl, bicyclo[4.2.0] octa-1 (6),2,4-trienyl, benzodioxolyl, 2,3-dihydrobenzofuranyl, pyridinyl, thienyl and indolyl may be substituted with one or more QS that may be the same or different, and

Q^S is selected from the group consisting of halogen, cyano, nitro, hydroxyl, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkylcarbonyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_1-C_6-alkoxy-C_1-C_6-alkyl, C_2-C_6-alkenyl, C_2-C_6-alkynyl, C_1-C_6-alkylsulfanyl, C_1-C_6-haloalkylsulfanyl, C_3-C_8-cycloalkyl, non-aromatic 3- to 7-membered monocyclic heterocycle and —N(R^k)$_2$, wherein R^k is hydrogen, or a salt, or an N-oxide thereof.

2. The compound of claim **1**, wherein R^1 is selected from the group consisting of hydrogen, hydroxyl, cyano, C_1-C_6-alkyl, C_1-C_6-alkoxy, C_1-C_6-alkoxy-C_1-C_6-alkyl and —C(=O) (OR^{a1}) with R^{a1} being C_1-C_6-alkyl or C_2-C_6-alkenyl.

3. The compound of claim **1**, wherein R^7 is selected from the group consisting of hydrogen, halogen, cyano, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-hydroxyalkyl, C_1-C_6-alkylcarbonyl, C_1-C_6-alkoxy, C_2-C_6-alkenyl, C_2-C_6-alkynyl, C_1-C_6-alkylsulfanyl, C_1-C_6-alkylsulfinyl, C_3-C_8-cycloalkyl, aromatic 5- or 6-membered monocyclic heterocycle, non-aromatic 3- to 7-membered monocyclic heterocycle, —N(R^e)$_2$, —C(=NR^f) R^f and —C(=O)N(R^8)$_2$.

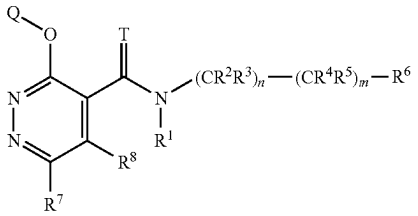
4. The compound of claim **1**, wherein R^8 is selected from the group consisting of hydrogen, halogen, hydroxyl, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_2-C_6-alkenyl, C_2-C_6-alkenyloxy, C_2-C_6-haloalkenyloxy, C_1-C_6-alkylsulfanyl, C_1-C_6-haloalkylsulfanyl, C_1-C_6-alkylsulfinyl, C_1-C_6-alkylsulfonyl, C_3-C_8-cycloalkyl, aromatic C_6-C_{14}-carbocycle, non-aromatic 3- to 14-membered heterocycle, aromatic 5- to 14-membered heterocycle, C_3-C_8-cycloalkyloxy, non-aromatic 3- to 14-membered heterocyclyloxy and —N (R^h)$_2$.

5. A composition comprising the compound of claim **1** and at least one agriculturally suitable auxiliary.

6. A method for controlling phytopathogenic fungi comprising a step of applying at least one compound of claim **1** to a plant, a plant part, a seed, a fruit, or a soil in which a plant grows.

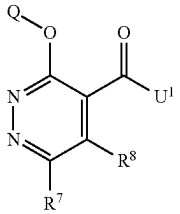
7. A process for preparing a compound of formula (I) as recited in claim 1,

(I)



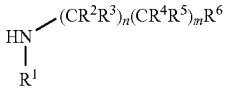
wherein R^1 is hydrogen, hydroxyl, cyano, C_1-C_6-alkyl, C_1-C_6-alkoxy, —C(=O)R^{a1}, —C(=O) (OR^{a1}), —S(=O) R^{a1}, —S(=O)$_2R^{a1}$, —C(=O)N(R^{a2})$_2$ or S(=O)$_2$N(R^{a2})$_2$, and T is O, comprising a step of reacting a compound of formula (1)

(1)



wherein U^1 is hydroxyl, halogen or C_1-C_6-alkoxy, with an amine of formula (2)

(2)

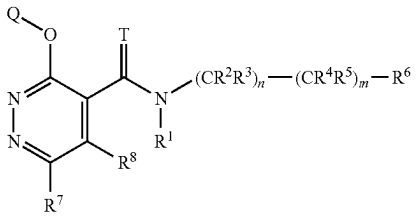


wherein

R^1 is hydrogen, hydroxyl, cyano, C_1-C_6-alkyl, C_1-C_6-alkoxy, —C(=O)R^{a1}, —C(=O) (OR^{a1}), —S(=O) R^{a1}, —S(=O)$_2R^{a1}$, —C(=O)N(R^{a2})$_2$ or S(=O)$_2$N (R^{a2})$_2$.

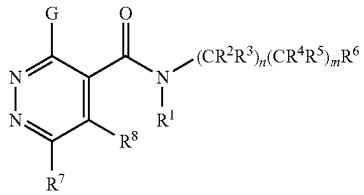
8. A process for preparing a compound of formula (I) as recited in claim 1,

(I)



wherein R^1 is hydrogen, hydroxyl, C_1-C_6-alkyl or C_1-C_6-alkoxy, T is O, R^8 is hydrogen or C_1-C_6-alkyl, R^7 is selected from the group consisting of hydrogen, halogen, hydroxyl, mercapto, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_2-C_6-alkenyloxy, C_2-C_6-haloalkenyloxy, C_2-C_6-alkynyloxy, C_2-C_6-haloalkynyloxy, C_1-C_6-alkylsulfanyl, C_1-C_6-haloalkylsulfanyl, C_3-C^8-cycloalkylsulfanyl, C_3-C_8-cycloalkyl, C_3-C_6-cycloalkenyl, C_3-C_8-cycloalkyloxy, aromatic C_6-C_{14}-carbocyclyloxy, aromatic 5- or 6-membered monocyclic heterocyclyloxy, non-aromatic 3- to 7-membered monocyclic heterocyclyloxy and —N (R^e)$_2$, comprising a step of reacting a compound of formula (3)

(3)



wherein G is halogen, R^1 is hydrogen, hydroxyl, C_1-C_6-alkyl or C_1-C_6-alkoxy, R^8 is hydrogen or C_1-C_6-alkyl, R^7 is selected from the group consisting of hydrogen, halogen, hydroxyl, mercapto, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_2-C_6-alkenyloxy, C_2-C_6-haloalkenyloxy, C_2-C_6-alkynyloxy, C_2-C_6-haloalkynyloxy, C_1-C_6-alkylsulfanyl, C_1-C_6-haloalkylsulfanyl, C_3-C_8-cycloalkylsulfanyl, C_3-C_8-cycloalkyl, C_3-C_6-cycloalkenyl, C_3-C_8-cycloalkyloxy, aromatic C_6-C_{14}-carbocyclyloxy, aromatic 5- or 6-membered monocyclic heterocyclyloxy, non-aromatic 3- to 7-membered monocyclic heterocyclyloxy and —N (R^e)$_2$,

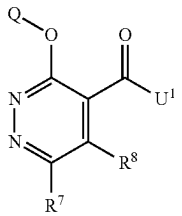
with a compound of formula (4)

(4)

and a base.

9. A compound of formula (1):

(1)



wherein U^1 is hydroxyl, halogen or C_1-C_6-alkoxy;

R^7 is selected from the group consisting of hydrogen, halogen, cyano, isocyano, hydroxyl, mercapto, nitro, amino, formyl, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-hydroxyalkyl, C_1-C_6-alkylcarbonyl, C_1-C_6-haloalkylcarbonyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_2-C_6-alkenyl, C_2-C_6-haloalkenyl, C_2-C_6-alkynyl, C_2-C_6-haloalkynyl, C_2-C_6-alkenyloxy, C_2-C_6-haloalkenyloxy, C_2-C_6-alkynyloxy, C_2-C_6-haloalkynyloxy, C_1-C_6-alkylsulfanyl, C_1-C_6-haloalkylsulfanyl, C_3-C_8-cycloalkylsulfanyl, C_1-C_6-alkylsulfinyl, C_1-C_6-haloalkylsulfinyl, C_3-C_8-cycloalkylsulfinyl, C_1-C_6-alkylsulfonyl, C_1-C_6-haloalkylsulfonyl, C_3-C_8-cycloalkylsulfonyl, C_3-C_8-cycloalkyl, C_3-C_6-cycloalkenyl, aromatic C_6-C_{14}-carbocycle, aromatic 5- or 6-membered mono-

cyclic heterocycle, non-aromatic 3- to 7-membered monocyclic heterocycle, C_3-C_8-cycloalkyloxy, aromatic C_6-C_{14}-carbocyclyloxy, aromatic 5- or 6-membered monocyclic heterocyclyloxy, non-aromatic 3- to 7-membered monocyclic heterocyclyloxy, —O—Si(C_1-C_6-alkyl)$_3$, —Si(C_1-C_6-alkyl)$_3$, —N(R^e)$_2$, —C(=NR^f)R^f, —NR^gC, (=O)R^g, —C(=O) (OR^8), —C(=O)N(R^8)$_2$, —S(=O)$_2$N(R^8)$_2$ and —S(=O) (=NR^g)R^g,

wherein each R^e is independently selected from the group consisting of hydrogen, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_2-C_6-alkenyl, C_2-C_6-haloalkenyl, C_2-C_6-alkynyl, C_2-C_6-haloalkynyl, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, aromatic C_6-C_{14}-carbocycle, aromatic 5- or 6-membered monocyclic heterocycle and non-aromatic 3- to 7-membered monocyclic heterocycle,

wherein each R^f is independently selected from the group consisting of hydroxyl, amino, cyano, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_1-C_6-alkylamino and di (C_1-C_6-alkyl) amino,

wherein each R^g is independently selected from the group consisting of hydrogen, C_1-C_6-alkyl, C_1-C_6-haloalkyl and C_3-C_8-cycloalkyl,

wherein each aliphatic R^7, R^e, R^f and R^g may be substituted with one or more R^{7Sa} that may be the same or different,

wherein each cyclic or cyclic moiety of R^7, each cyclic R^e and each cyclic R^g may be substituted with one or more R^{7Se} that may be the same or different,

R^{7Sa} is selected from the group consisting of cyano, hydroxyl, carboxyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, C_1-C_6-alkoxycarbonyl, —O—Si(C_1-C_6-alkyl)$_3$, —Si(C_1-C_6-alkyl)$_3$, aromatic C_6-C_{14}-carbocycle and non-aromatic 3- to 7-membered monocyclic heterocycle,

R^{7Sc} is selected from the group consisting of halogen, cyano, nitro, hydroxyl, formyl, oxo, methylidene, halomethylidene, C_1-C_6-alkyl, C_1-C_6-haloalkyl C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_2-C_6-alkenyl, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, —O—Si (C_1-C_6-alkyl)$_3$ and non-aromatic 3- to 7-membered monocyclic heterocycle, or two R^{7Se} form, together with the carbon atom to which they are attached to, a C_3-C_8-cycloalkyl;

R^8 is selected from the group consisting of hydrogen, halogen, cyano, isocyano, amino, nitro, , mercapto, carboxyl, C_1-C_6-alkoxycarbonyl, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-hydroxyalkyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_2-C_6-alkenyl, C_2-C_6-haloalkenyl, C_2-C_6-alkynyl, C_2-C_6-haloalkynyl, C_2-C_6-alkenyloxy, C_2-C_6-haloalkenyloxy, C_2-C_6-alkynyloxy, C_2-C_6-haloalkynyloxy, C_1-C_6-alkylsulfanyl, C_1-C_6-haloalkylsulfanyl, C_1-C_6-alkylsulfinyl, C_1-C_6-haloalkylsulfinyl, C_1-C_6-alkylsulfonyl, C_1-C_6-haloalkylsulfonyl, C_3-C_8-cycloalkyl, C_3-C_6-cycloalkenyl, aromatic C_6-C_{14}-carbocycle, non-aromatic 3- to 14-membered heterocycle, aromatic 5- to 14-membered heterocycle, C_3-C_8-cycloalkyloxy, aromatic C_6-C_{14}-carbocyclyloxy, non-aromatic 3- to 14-membered heterocyclyloxy, aromatic 5- to 14-membered heterocyclyloxy, —O—Si(C_1-C_6-alkyl)$_3$, —Si (C_1-C_6-alkyl)$_3$, —N(R^h)$_2$, —SR^i, —S(=O) R^i and —S(=O)$_2$$R^i$,

wherein each R^h is independently selected from the group consisting of hydrogen, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_2-C_6-alkenyl, C_2-C_6-haloalkenyl, C_2-C_6-alkynyl, C_2-C_6-haloalkynyl, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, aromatic C_6-C_{14}-carbocycle, aromatic 5- to 14-membered heterocycle and non-aromatic 3- to 7-membered monocyclic heterocycle,

wherein each R^i is selected from the group consisting of C_2-C_6-alkenyl, C_2-C_6-haloalkenyl, C_2-C_6-alkynyl, C_2-C_6-haloalkynyl, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, aromatic C_6-C_{14}-carbocycle, aromatic 5- to 14-membered heterocycle and non-aromatic 3- to 7-membered monocyclic heterocycle,

wherein each aliphatic R^8, R^h and R^i may be substituted with one or more R^{8Sa} that may be the same or different,

wherein each cyclic or cyclic moiety of R^8, each cyclic R^h and each cyclic R^i may be substituted with one or more R^{8Se} that may be the same or different,

R^{8Sa} is selected from the group consisting of cyano, amino, nitro, hydroxyl, formyl, carboxyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_1-C_6-alkoxy-C_1-C_6-alkoxy, C_1-C_6-alkoxycarbonyl, C_1-C_6-haloalkoxycarbonyl, C_1-C_6-alkylcarbonyl, C_1-C_6-haloalkylcarbonyl, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, C_1-C_6-alkylsulfanyl, C_1-C_6-haloalkylsulfanyl, C_1-C_6-alkylsulfinyl, C_1-C_6-haloalkylsulfinyl, C_1-C_6-alkylsulfonyl, C_1-C_6-haloalkylsulfonyl, —O—Si(C_1-C_6-alkyl)$_3$, —Si(C_1-C_6-alkyl)$_3$, non-aromatic 3- to 7-membered monocyclic heterocycle and —N($R^{a'}$)$_2$ with $R^{a'}$ being independently selected from the group consisting of hydrogen, formyl, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_3-C_8-cycloalkyl and C_1-C_6-alkylcarbonyl, wherein said non-aromatic 3- to 7-membered monocyclic heterocycle R^{8Sa} may be substituted with one or more C_1-C_6-alkyl that may be the same or different,

R^{8Sc} is selected from the group consisting of halogen, cyano, amino, nitro, hydroxyl, formyl, carboxyl, oxo, methylidene, halomethylidene, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_1-C_6-alkoxycarbonyl, C_1-C_6-haloalkoxycarbonyl, C_2-C_6-alkenyl, C_1-C_6-alkylsulfanyl, C_1-C_6-alkylsulfinyl, C_1-C_6-alkylsulfonyl, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, —O—Si(C_1-C_6-alkyl)$_3$ and non-aromatic 3- to 7-membered monocyclic heterocycle that may be substituted with one or more C_1-C_6-alkyl that may be the same or different, or two R^{8Se} form, together with the carbon atom to which they are attached to, a C_3-C_8-cycloalkyl or a non-aromatic 3- to 7-membered monocyclic heterocycle, wherein said non-aromatic 3- to 7-membered monocyclic heterocycle may be substituted with one or more C_1-C_6-alkyl that may be the same or different;

Q is selected from the group consisting of phenyl, naphthyl, bicyclo[4.2.0] octa-1 (6),2,4-trienyl, benzodioxolyl, 2,3-dihydrobenzofuranyl, pyridinyl, thienyl and indolyl, wherein said phenyl, naphthyl, bicyclo[4.2.0] octa-1 (6),2,4-trienyl, benzodioxolyl, 2,3-dihydrobenzofuranyl, pyridinyl, thienyl and indolyl may be substituted with one or more Q^S that may be the same or different,

Q^S is selected from the group consisting of halogen, cyano, nitro, hydroxyl, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkylcarbonyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_1-C_6-alkoxy-C_1-C_6-alkyl, C_2-C_6-alkenyl, C_2-C_6-alkynyl, C_1-C_6-alkylsulfanyl, C_1-C_6-haloalkylsulfanyl, C_3-C_8-cycloalkyl, non-aromatic 3- to

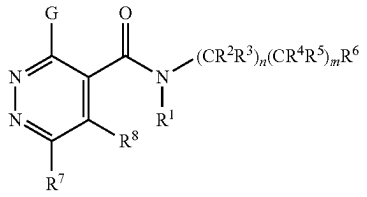
7-membered monocyclic heterocycle and —$N(R^k)_2$, wherein R^k is hydrogen; and

R^7 and R^8 are not simultaneously hydrogen, C_1-C_6-alkyl, or aromatic C_6-C_{14}-carbocycle, provided that the compound is not:

methyl 6-chloro-3-(2,4-difluorophenoxy) pyridazine-4-carboxylate, or ethyl 3-phenoxy-6-phenylpyridazine-4-carboxylate.

10. A compound of formula (3):

(3)



wherein

G is halogen;

n=1 and m=1;

R^1 is hydrogen;

R^2, R^3, are hydrogen;

R^4 and R^5 are hydrogen or fluorine;

R^6 is selected from the group consisting of non-aromatic polycyclic C_7-C_{12}-carbocycle, aromatic C_6-C_{14}-carbocycle, and non-aromatic 6- to 14-membered polycyclic heterocycle, wherein each R^6 may be substituted with one or more R^{6S}, and

R^{6S} is selected from the group consisting of halogen, cyano, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_2-C_6-alkenyl, C_2-C_6-alkynyl, C_1-C_6-haloalkylsulfanyl, C_3-C_8-cycloalkyl, aromatic C_6-C_{14}-carbocycle, aromatic 5- or 6-membered monocyclic heterocycle and non-aromatic 3- to 7-membered monocyclic heterocycle, wherein each cyclic R^{6S} may be substituted independently with one or more halogen, C_1-C_6-alkyl, C_1-C_6-haloalkyl or C_1-C_6-alkoxycarbonyl;

R^7 is selected from the group consisting of hydrogen, halogen, hydroxyl, mercapto, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_2-C_6-alkenyloxy, C_2-C_6-haloalkenyloxy, C_2-C_6-alkynyloxy, C_2-C_6-haloalkynyloxy, C_1-C_6-alkylsulfanyl, C_1-C_6-haloalkylsulfanyl, C_3-C_8-cycloalkyl, C_3-C_6-cycloalkenyl, C_3-C_8-cycloalkyloxy, aromatic C_6-C_{14}-carbocyclyloxy, aromatic 5- or 6-membered monocyclic heterocyclyloxy, non-aromatic 3- to 7-membered monocyclic heterocyclyloxy and —$N(R^e)_2$,

wherein each R^e is independently selected from the group consisting of hydrogen, C_1-C_6-alkyl, C_1-C_6-haloalkyl, C_1-C_6-alkoxy, C_2-C_6-alkenyl, C_2-C_6-haloalkenyl, C_2-C_6-alkynyl, C_2-C_6-haloalkynyl, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, aromatic C_6-C_{14}-carbocycle, aromatic 5- or 6-membered monocyclic heterocycle and non-aromatic 3- to 7-membered monocyclic heterocycle,

wherein each aliphatic R^7 and R^e may be substituted with one or more R^{7Sa} that may be the same or different,

wherein each cyclic or cyclic moiety of R^7 and each cyclic R^e may be substituted with one or more R^{7Se} that may be the same or different,

R^{7Sa} is selected from the group consisting of cyano, hydroxyl, carboxyl, C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, C_1-C_6-alkoxycarbonyl, —O—$Si(C_1$-C_6-alkyl$)_3$, —$Si(C_1$-C_6-alkyl$)_3$, aromatic C_6-C_{14}-carbocycle and non-aromatic 3- to 7-membered monocyclic heterocycle,

R^{7Sc} is selected from the group consisting of halogen, cyano, nitro, hydroxyl, formyl, oxo, methylidene, halomethylidene, C_1-C_6-alkyl, C_1-C_6-haloalkyl C_1-C_6-alkoxy, C_1-C_6-haloalkoxy, C_2-C_6-alkenyl, C_3-C_8-cycloalkyl, C_3-C_8-halocycloalkyl, —O—$Si(C_1$-C_6-alkyl$)_3$ and non-aromatic 3- to 7-membered monocyclic heterocycle, or two R^{7Se} form, together with the carbon atom to which they are attached to, a C_3-C_8-cycloalkyl; and

R^8 is hydrogen or C_1-C_6-alkyl;

provided that the compound of formula (3) is not:

3,6-dichloro-N-[2-(3,5-difluorophenyl) ethyl] pyridazine-4-carboxamide,

3,6-dichloro-N-[2-(3-methylphenyl) ethyl] pyridazine-4-carboxamide,

3,6-dichloro-N-[2-(3-chlorophenyl) ethyl] pyridazine-4-carboxamide,

3,6-dichloro-N-[2-(4-fluoro-2-methylphenyl) ethyl] pyridazine-4-carboxamide,

3,6-dichloro-N-[2-(3-methoxyphenyl) ethyl] pyridazine-4-carboxamide,

3,6-dichloro-N-[2-(2-methylphenyl) ethyl] pyridazine-4-carboxamide,

3,6-dichloro-N-[2-(3-fluorophenyl) ethyl] pyridazine-4-carboxamide,

3,6-dichloro-N-[2-(2-methoxyphenyl) ethyl] pyridazine-4-carboxamide,

3,6-dichloro-N-[2-(4-methoxyphenyl) ethyl] pyridazine-4-carboxamide,

3,6-dichloro-N-[2-(4-fluorophenyl) ethyl] pyridazine-4-carboxamide,

3,6-dichloro-N-[2-(2,4-dichlorophenyl) ethyl] pyridazine-4-carboxamide,

3,6-dichloro-N-[2-(2-fluorophenyl) ethyl] pyridazine-4-carboxamide,

3,6-dichloro-N-(2-phenylethyl) pyridazine-4-carboxamide, or

3,6-dichloro-N-[2-(4-chlorophenyl) ethyl] pyridazine-4-carboxamide.

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