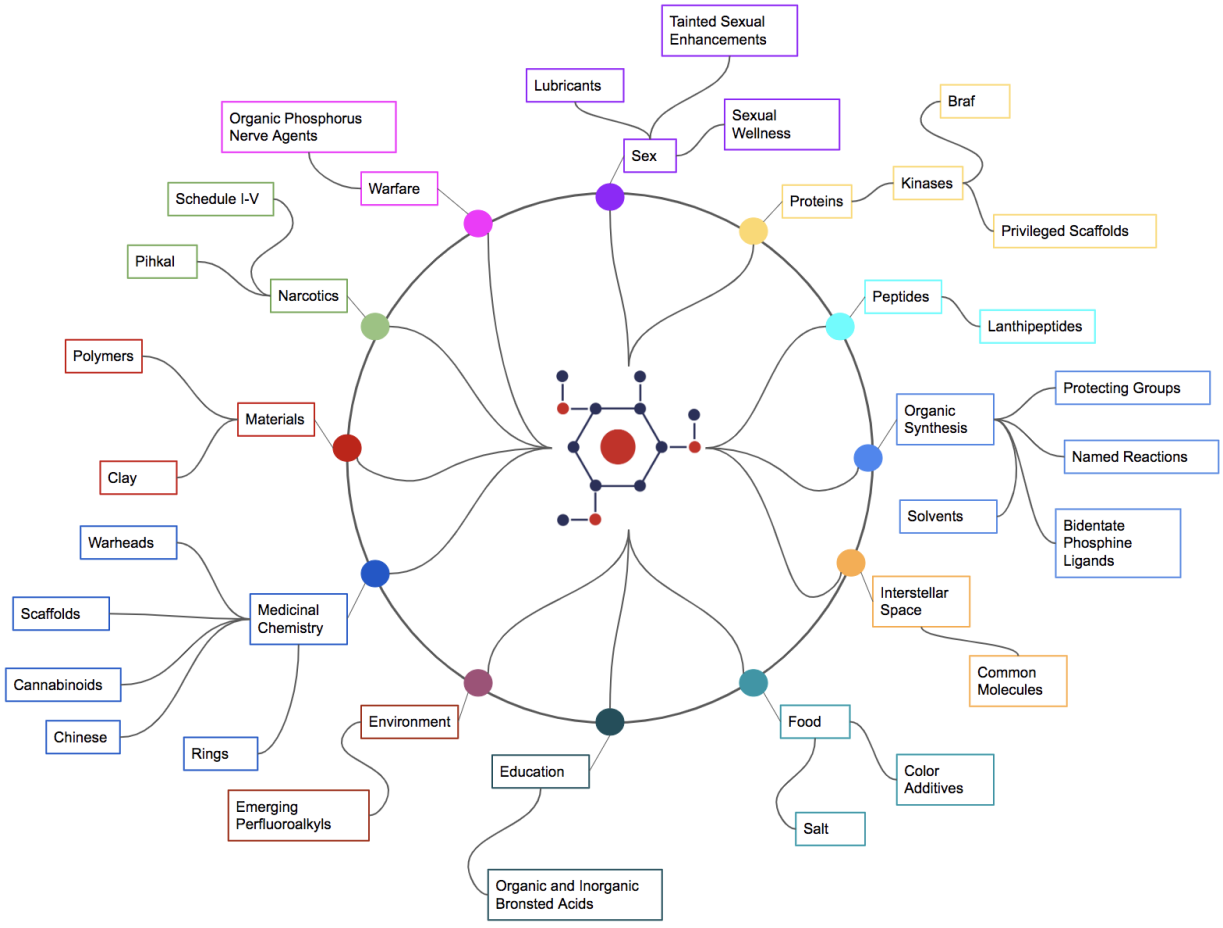
Global-Chem

A Curated Open-Source Dictionary of Common Small Molecules to SMILES



Mission

This dictionary is a record of the molecules to common chemical names for the general public use and maintaining a record that we maintain together. Chemicals are part of our everyday lives and it is important we know what they look like so we are aware. We manage it as an open source *governing* community built on the people. By crowdsourcing information and building tools we hope to give power to the people to declare whether these chemicals are safe or not for them.

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Section A: Environmental Chemistry

A.1: Emerging Perfluoroalkyls (Forever Chemicals)

perfluorohexanoic acid	C(=O)(C(C(C(C(C(F)(F)F)(F)F)(F)F)(F)F)(F)F)O
perfluoroheptanoic acid	C(=O)(C(C(C(C(C(C(F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)O
perfluorononanoic acid	C(=O)(C(C(C(C(C(C(C(C(F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)O
perfluorodecanoic acid	C(=O)(C(C(C(C(C(C(C(C(C(F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)O
perfluorobutanesulfonic acid	C(C(C(F)(F)S(=O)(=O)O)(F)F)(C(F)(F)F)(F)F
perfluorohexanesulfonic acid	C(C(C(C(F)(F)S(=O)(=O)O)(F)F)(F)F)(C(C(F)(F)F)(F)F)(F)F
perfluoroundecanoic acid	C(=O)(C(C(C(C(C(C(C(C(C(C(F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)O
2-(N-ethyl-perfluorooctane sulfanamido) acetic acid	CCN(CC(=O)O)S(=O)(=O)C(C(C(C(C(C(C(C(F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F
2-(N-Methyl-perfluorooctane sulfanamido) acetic acid	CN(CC(=O)O)S(=O)(=O)C(C(C(C(C(C(C(C(F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F
hexafluoropropylene Oxide Dimer Acid	C1(C(O1)(F)F)(C(F)(F)F)F
perfluorotetradecanoic acid	C(=O)(C(C(C(C(C(C(C(C(C(C(C(C(C(F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)O
perfluorotridecanoic acid	C(=O)(C(C(C(C(C(C(C(C(C(C(C(C(C(F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)O
4,8-dioxa-3H-perfluorononanoic	C(C(C(=O)O)(F)F)(OC(C(C(OC(F)(F)F)(F)F)(F)F)(F)F)(F)F)F

6:2 chlorinated polyfluorinated ether sulfonic acid	FC(Cl)(C(F)(C(F)(F)C(F)(F)C(F)(F)OC(F)(F)C(F)(S(=O)(O[K])=O)F)F)F
perfluorobutanoic acid	FC(F)(C(F)(C(O)=O)F)C(F)(F)F
perfluoro-n-pentanoic acid	C(=O)(C(C(C(C(F)(F)F)(F)F)(F)F)(F)F)(F)F)O
nafion byproduct 2	C(C(F)(F)F)(OC(C(C(F)(F)F)(OC(C(F)(F)S(=O)(=O)O)(F)F)F)(F)F)F
perfluoro-3,5,7,9-tetraoxadecanoic acid	C(=O)(C(OC(OC(OC(OC(F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)O
perfluoro-3,5,7,9,11-pentaoxadodecanoic acid	C(=O)(C(OC(OC(OC(OC(OC(F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)O
2,2,3,3-tetrafluoro-3-((1,1,1,2,3,3-hexafluoro-3-(1,2,2,2-tetrafluoroethoxy)propan-2-yl)oxy)propanoic acid	C(=O)(C(C(F)(F)F)(OC(C(OC(C(C(F)(F)F)(F)F)(F)F)(F)F)(F)F)(C(F)(F)F)F)F)O
h,1h,2h,2h-perfluorooctanesulfonic acid	C(C(C(C(C(F)(F)S(=O)(=O)O)(F)F)(F)F)(F)F)(C(C(C(F)(F)F)(F)F)(F)F)(F)F
2-(perfluorooctyl)ethane-1-sulfonic acid	C(CS(=O)(=O)O)C(C(C(C(C(C(C(C(C(C(F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F
perfluoropentanesulfonic acid	C(C(C(F)(F)F)(F)F)(C(C(F)(F)S(=O)(=O)O)(F)F)(F)F
perfluoroheptanesulfonic acid	C(C(C(C(F)(F)F)(F)F)(F)F)(C(C(C(F)(F)S(=O)(=O)O)(F)F)(F)F)(F)F
perfluorononanesulfonic acid	C(C(C(C(C(F)(F)F)(F)F)(F)F)(F)F)(C(C(C(C(F)(F)S(=O)(=O)O)(F)F)(F)F)(F)F)(F)F
perfluorodecanesulfonic acid	C(C(C(C(C(C(F)(F)S(=O)(=O)O)(F)F)(F)F)(F)F)(F)F)(C(C(C(C(F)(F)F)(F)F)(F)F)(F)F)(F)F
hexafluoropropylene-oxide-trimer-acid	C(=O)(C(C(F)(F)F)(OC(C(C(F)(F)F)(OC(C(C(F)(F)F)(F)F)(F)F)(F)F)F)(F)F)F

A.2: Chemicals Extracted From Crude Oil

synthesis gas	[C-]#[O+].[HH]
ethane	CC
ethylene	C=C

propylene	CC=C
1,3-butadiene	C=CC=C
butene	CCC=C
butane	CCCC
dicyclopentadiene	C1C=CC2C1C3CC2C=C3
isoprene	CC(=C)C=C
pentene	CCCC=C
piperylene	CC=CC=C
benzene	C1=CC=CC=C1
toluene	CC1=CC=CC=C1
p-xylene	CC1=CC=C(C=C1)C
o-xylene	CC1=CC=CC=C1C
m-xylene	CC1=CC(=CC=C1)C
glycerol	C(C(CO)O)O

Section B: Material Chemistry

B.1: Clay Absorption

3,3′,4,4′,5-pentachlorobiphenyl	C1=CC(=C(C=C1C2=CC(=C(C(=C2)Cl)Cl)Cl)Cl)Cl
3,4,3′,4′-tetrachlorobiphenyl	C1=CC(=C(C=C1C2=CC(=C(C=C2)Cl)Cl)Cl)Cl
2,2′,4,4′,5,5′-hexachlorobiphenyl	C1=C(C(=CC(=C1Cl)Cl)Cl)C2=CC(=C(C=C2Cl)Cl)Cl
bisphenol A	CC(C)(C1=CC=C(C=C1)O)C2=CC=C(C=C2)O
2,3,3′,4,4′,5′-hexachlorobiphenyl	C1=CC(=C(C=C1C2=CC(=C(C(=C2Cl)Cl)Cl)Cl)Cl)Cl
2,2′,4,4′,6,6′-hexachlorobiphenyl	C1=C(C=C(C(=C1Cl)C2=CC(=C(C=C2Cl)Cl)Cl)Cl)Cl
2,2′,4,4′,5,6′-hexachlorobiphenyl	C1=CC=C(C(=C1)C2=C(C(=C(C(=C2Cl)Cl)Cl)Cl)Cl)Cl
lindane	C1(C(C(C(C(C1Cl)Cl)Cl)Cl)Cl)Cl
naphthalene	C1=CC=C2C=CC=CC2=C1
benz[e]acephenanthrylene	C1=CC=C2C3=C4C(=CC=C3)C5=CC=CC=C5C4=CC2=C1
dieldrin	C1C2C3C(C1C4C2O4)C5(C(=C(C3(C5(Cl)Cl)Cl)Cl)Cl)Cl
linuron	CN(C(=O)NC1=CC(=C(C=C1)Cl)Cl)OC
trifluralin	CCCN(CCC)C1=C(C=C(C=C1[N+](=O)[O-])C(F)(F)F)[N+](=O)[O-

	]
toluene	CC1=CC=CC=C1
benzene	C1=CC=CC=C1
bisphenol S	C1=CC(=CC=C1O)S(=O)(=O)C2=CC=C(C=C2)O
bisphenol F	c1cc(ccc1Cc2ccc(cc2)O)O
benzo[a]pyrene	C1=CC=C2C3=C4C(=CC2=C1)C=CC5=C4C(=CC=C5)C=C3
2,4-dichlorophenoxyacetic acid	C1=CC(=C(C=C1Cl)Cl)OCC(=O)O
clofenotane (DDT)	C1=CC(=CC=C1C(C2=CC=C(C=C2)Cl)C(Cl)(Cl)Cl)Cl
pyrene	C1=CC2=C3C(=C1)C=CC4=CC=CC(=C43)C=C2
deoxynivalenol (vomitoxin)	CC1=CC2C(C(C1=O)O)(C3(CC(C(C34CO4)O2)O)C)CO
glyphosate	C(C(=O)O)NCP(=O)(O)O
fumonisin-B1	CCCCC(C)C(C(CC(C)CC(CCCCC(CC(C(C)N)O)O)O)OC(=O)CC(CC(=O)O)C(=O)O)OC(=O)CC(CC(=O)O)C(=O)O
aflatoxin-B1	COC1=C2C3=C(C(=O)CC3)C(=O)OC2=C4C5C=COC5OC4=C1
2,4,6-trichlorophenol	C1=C(C=C(C(=C1Cl)O)Cl)Cl
diazinon	CCOP(=S)(OCC)OC1=NC(=NC(=C1)C)C(C)C
paraquat	C[N+]1=CC=C(C=C1)C2=CC=[N+](C=C2)C
phenol	C1=CC=C(C=C1)O
aminomethylphosphonic acid	C(N)P(=O)(O)O
chlorpyriphos	CCOP(=S)(OCC)OC1=NC(=C(C=C1Cl)Cl)Cl
xearalenone	CC1CCCC(=O)CCCC=CC2=C(C(=CC(=C2)O)O)C(=O)O1
aldicarb	CC(C)(C=NOC(=O)NC)SC

B.2: Common Monomer Units

3′-bromo-2-chloro[1,1′:4′,1″-terphenyl]-4,4″	ClC1=CC=CC=C1C2=CC=C(C3=CC=CC=C3)C(Br)=C2
[3,3′-biquinoline]-6,6′	C1(C2=CC3=CC=CC=C3N=C2)=CC4=CC=CC=C4N=C1
[2,3′-bipyridine]-4,5′	C1(C2=CC=CN=C2)=NC=CC=C1
(Z)-but-1-enel	C=CCC
ethene-1,2-diyl	C=C
propane-1,3-diyl	CCC

methylmethylene	[CH]C
1-phenylethylene	C=CC1=CC=CC=C1
1,2-dioxobutane	CCC(C=O)=O
1,3-dioxohexane	CCCC(CC=O)=O
oxyoxalyl	O=CC(O)=O
oxysuccinyl	O=CCCC(O)=O
naphthalene	C12=CC=CC=C1C=CC=C2
2H-furo[3,2-b]pyran	C12=CCOC1=CC=CO2
pyridine	C1=NC=CC=C1
1-carboxylatoethylene	NC1(C(O)=O)CC1
x-iminocyclopentane	N=C1CCCC1
pyridine-3,5-diylpiperidine	N1(C2=CC3=CN=C2)C3CCCC1
(4-chloro[3,3′-bipyridine])methylene	[CH]C1=NC=CC(Cl)=C1C2=CC=CN=C2
imino[1-oxo-2-(phenylsulfanyl)ethylene]	O=C=C(N)SC1=CC=CC=C1
methylphenylsiloxane	[H]O[SiH](C)C1=CC=CC=C1
diethoxyphosphazene	CCO[PH2](N)OCC
piperidine-3,5-diylideneethanediylidene	C/C=C1CNCCC1
sulfanediylcarbonyl	O=[CH]S
spiro[4.5]decane-2,8-diylmethylene	C1(CC(CC2)CC3)CC32CC1
4H-1,2,4-triazole-3,5-diylmethylene	C1(C2)=NN=C2N1
(2-phenyl-1,3-phenylene)ethylene	C1(C=C2)=CC=CC2=C1C3=CC=CC=C3
(5′-chloro[1,2′-binaphthalene])methylene	CC1=CC=C2C=CC=CC2=C1C3=CC=C4C(Cl)=CC=CC4=C3
(6-chlorocyclohex-1-ene)(1-bromoethylene)	ClC1C=CC(C(Br)C)CC1
oxy{[3-(trifluoromethyl)phenyl]methylene}	FC(C1=CC([CH]O)=CC=C1)(F)F
1,3-phenyleneethylene	C1(C=C2)=CC=CC2=C1
(tetramethoxy-1,4-phenylene)(1,2-diphenylethene)	COC(C(OC)=CC(OC)=C1OC)=C1/C(C2=CC=CC=C2)=C/C3=CC=CC=C3
(1,1′,3,3′-tetraoxo[5,5′-biisoindoline]-2,2′-diyl)biphenyl	O=C(C1=C2C=CC(C3=CC=C4C(OCN(C5=CC=C(C6=CC=CC=C6)C=C5)CO4)=C3)=C1)NC2=O
morpholine-2,6-diylpyridine-3,5-diylth	C(C=C1S2)(C3=CN=CC(C4CNCCO4)=C3)=CC=C1SC5=C2C=C

ianthrene	C=C5
naphthalene-1,4-phenylenecyclohexane	C12=CC=CC=C1C=C(C3=CC=CC(C4CCCCC4)=C3)C=C2
pyridine-1,4-phenylenecyclopentane	C1(C2=CC=CC(C3CCCC3)=C2)=CC=CN=C1
pyridine-4H-1,2,4-triazole-3,5-diylmethylene	CC(N1)=NN=C1C2=NC=CC=C2
oxyspiro[3.5]nona-2,5-diene-7,1-diylcyclohex-4-ene-1,3-diyl	OC1C=CC2(CCC2C3CC=CCC3)CC1
piperidine-oxymethylene	COC1NCCCC1
pyridine-methyleneoxy-1,4-phenylene	C1(OCC2=NC=CC=C2)=CC=CC=C1
imino(1-chloro-2-oxoethylene)(4-nitro-1,3-phenylene)(3-bromopropane)	NC(C(C1=CC=C([N+]([O-])=O)C(CCBr)=C1)=O)Cl
pyridine-acenaphthylene-3,8-diylpyrrole-diylacenaphthylene	C1(C2=C(C=C3)C(C3=C(C4=CNC=C4C5=C(C=C6)C(C6=CC=C7)=C7C=C5)C=C8)=C8C=C2)=CC=CN=C1
pyridine-(phenylmethylene)iminocyclohexane	C1(C(NC2CCCCC2)C3=CC=CC=C3)=CC=CC=N1
(methylimino)methyleneimino-1,3-phenylene	CNCNC1=CC=CC=C1
pyridine-diyliminocyclohexane(phenylmethylene)	C1(NC2CCC(CC3=CC=CC=C3)CC2)=CC=CC=N1
imino(1-oxoethylene)silanediylpropane	NC(C[Si](C)(C)C)=O
pyridine-cyclohexane-oxypropane	CCCOC(CCC1)CC1C2=CC=CN=C2
sulfaneethylenesulfanediyl(2-amino-4-carboxypentane)	SCCSC(N)CC(C)C(O)=O
sulfaneethylenesulfanediyl(4-amino-1-carboxypentane)	SCCSC(C(O)=O)CC(N)C
pyridine-methylenepyridine(tetrahydropyran)	C1(CC2=CN=CC(C3COCCC3)=C2)=CC=CN=C1
sulfane(2-chloropropane)sulfanepropane	SCC(CSCCC)Cl
pyridine-carbonyloxymethylene	O=C(OC)C1=CC=CN=C1
1,3-phenylene(1-bromoethylene)cyclohexane(2-butylethylene)	BrC(C1CCCC(C(CCC)C)C1)C2=CC=CC=C2
oxy(1,1-dichloroethylene)imino(1-oxoethylene)	OC(Cl)(CNCOC)Cl

sulfane(1-chloroethylene)-1,3-phenylene(1-chloroethylene)	SC(CC1=CC(C(C)Cl)=CC=C1)Cl
sulfane(1-iodoethylene)sulfane(5-bromo-3-chloropentane)	SC(CSCCC(CCBr)Cl)I
oxymethylene-ONN-azoxy(chloromethylene)	OCN(O)-NCCl
(3-chlorobiphenyl)methylene(3-chloro-1,4-phenylene)methylene	ClC1=CC(C2=CC=C(C3=CC=C(C)C(Cl)=C3)C=C2)=CC=C1
imino(x-methyl-1,3-phenylene)iminomalonyl	NC1=CC(C)=CC(NC(CC=O)=O)=C1
oxyhexane-oxycarbonylimino(methylphenylene)iminocarbonyl	OCCCCCCOC(NC1=CC(C)=C(NC=O)C=C1)=O
2,4,8,10-tetraoxaspiro[5.5]undecane-oxyhexane-1,6-diyloxy	CC1OCC2(COC(OCCCCCCO)OC2)CO1
pyridine-methylenepyrrole-oxymethylene	COC1=CNC=C1CC2=CC=CN=C2
oxymethyleneiminocarbonylsulfane-1,3-phenyleneethylene	COCNC(SC1=CC=CC(CC)=C1)=O
oxyiminomethylenehydrazine-methylene	ONCNNC
piperidine-methylenepiperidine-4,2-diylcyclopentane-ethylenecyclopentane-1,2-diylmethylene	CC(C1)CCC1CC(C2)CCC2C(C3)NCCC3CC4NCCCC4
1,3-dioxa-8-thia-5,10-diazadodecane	OCOCNCCSCNCC
oxymethyleneoxymethyleneoxymethyleneimino-1,3-phenylenemethyleneiminomethylene	OCOCOCNC1=CC(CNC)=CC=C1
pyridine-1,4-phenylenemethyleneoxymethyleneiminomethyleneoxy-1,4-phenylenemethylene	CC(C=C1)=CC=C1OCNCOCC(C=C2)=CC=C2C3=CC=CN=C3
sulfinylmethylenesulfanediylpropane-1,3-diylsulfonyl-1,4-phenylene	SOCSCCCS(=O)(C1=CC=CC=C1)=O
oxyterephthaloylhydrazine-terephthaloyl	OC(C1=CC=C(C(NNC(C2=CC=C(C=O)C=C2)=O)=O)C=C1)=O
nitrilo-1,4-phenylenenitriloprop-2-en-3-yl-1-ylidene-1,4-phenyleneprop-1-en-1-yl-3-ylidene	NC1=CC=C(N=CC=CC2=CC=C(C=CCC)C=C2)C=C1
oxycarbonylnitrilopropane-idenenitrilocarbonyl	OC(N=CCC=NC=O)=O

oxyethyleneiminomethylenesulfanediylethyleneiminocyclohexane	OCCCNCSCCNC1CCCCC1
iminomethyleneiminocarbonyl{2-[(2,4-dinitrophenyl)hydrazono]cyclopentane}carbonyl	OC(C1=CC=C(C(OCCCCCC)=O)C=C1)=O
oxyterephthaloyloxyhexane	NCCNC(C1/C(C(C=O)CC1)=N/NC2=C([N+]([O-])=O)C=C([N+]([O-])=O)C=C2)=O
nitrilocyclohexa-2,5-diene-idenenitrilo-1,4-phenyleneimino-1,4-phenyleneimino1,4-phenylene	N=C1C=CC(C=C1)=NC2=CC=C(NC3=CC=C(NC4=CC=CC=C4)C=C3)C=C2
cyclohexane-methanylylidenecyclohexane-idenemethanylylidenecyclohexane-methylene	CC(CC1)CCC1C=C(CC2)CCC2=CC3CCCCC3

Section C: Organic Chemistry

C.1: Electrophilic Warheads for Kinases

methylacrylamide	CNC(C=C)=O
methyl acrylate	COC(C=C)=O
methyl propiolate	COC(C#C)=O
2-cyanoacrylamide	N#CC(C(N)=O)=C
n-methylmaleimide	CN1C(C=CC1=O)=O
n-ethylmaleimide	O=C(C=CC1=O)N1CC
crotonamide	C/C=C/C(N)=O
ethyl crotonate	C/C=C/C(OCC)=O
crotononitrile	C/C=C/C#N
methyl methylpropiolate	CC#CC(OC)=O
isothiocyanatomethane	CN=C=S
isothiocyanatoethane	CCN=C=S
prop-1-ene	CC=C
prop-1-yne	CC#C
acetonitrile	CC#N
tert-butyl (Z)-2-ethylidenehydrazine-1-carboxylate	C/C=N/\/NC(OC(C)(C)C)=O
n-methylchloroacetamide	CNC(CCl)=O

n-methyl-2-chloropropanamide	CNC(C(C)Cl)=O
n-methyl-2-bromopropanamide	CNC(C(C)Br)=O
bromoacetone	CC(CBr)=O
2-methyloxirane	CC1OC1
fluoromethane	CF
methylsulfane	CS
aldehyde	CC=O

C.2: Common Warheads for Covalent Inhibitors

propiolamide	C#CC(N)=O
fumarate ester	NC(/C=C/CC(OC)=O)=O
allenamide	NC(C=C=C)=O
propiolonitrile	C#CC#N
propargylamide	C#CCC(N)=O
arylsulfonyl bicyclobutane	O=S(C12CC1C2)(C3=CC=CC=C3)=O
haloalkane	CBr
alpha-halomethyl	CC(CCl)=O
alpha-haloamide	NC(CCl)=O
alpha-haloester	O=C(CCl)OC
epoxide	C1CO1
aziridine	N1CC1
nitroalkane	CC[N+]([O-])=O
acrylamide	C=CC(N)=O
cyanoenone	O=C(C)C(C#N)=C
aldehyde	O=C(C)[H]
ketone	O=C(C)C
nitrile	N#CC
cyanamide	NC#N
isothicyanate	[N-]=C=S
sulfone	CS=O
sulfonyl fluoride	O=S(F)=O
sulfonimidoyl fluoride	N=S(F)(F)=O
aryl fluorosulfate	O=S(OCCCCC)(F)=O

ester	CC(OC)=O
sulfonamide	O=S(N)=O
2-carbonyl arylboronic acid	O=C(C1=CC=CC=C1B(O)O)C
n-methyl isoxazolium	C[N+]1=CC=CO1
oxaziridine	O1NC1

C.3: Rings in Drugs That Pass FDA Phase III Trials

benzene	C1=CC=CC=C1
pyridine	C1=CC=CN=C1
piperidine	N1CCCCC1
piperazine	N1CCNCC1
cyclohexane	C1CCCCC1
oxane	O1CCCCC1
imidazole	C1=NC=CN1
pyrrolidine	C1CCNC1
(R)-5-thia-1-azabicyclo[4.2.0]oct-2-en-8-one	O=C1C[C@@H]2N1C=CCS2
cyclopropane	C1CC1
tetrahydrofuran	C1CCOC1
thiazole	C1=NC=CS1
indole	C12=CC=CC=C1C=CN2
diazine	C1=NC=CC=N1
(R)-4-thia-1-azabicyclo[3.2.0]heptan-7-one	O=C1N2CCS[C@@H]2C1
6,7,8,9,10,11,12,13,14,15,16,17-dodecahydro-3H-cyclopenta[a]phenanthren-3-one	O=C1C=CC(C2C[C@H](CCC3)C3CC2)C(CCC)=C1
tetrazole	N1=NN=C[N]1
cyclopentane	C1CCCC1
thiophenyl	C1=CC=CS1
naphthalene	C12=CC=CC=C1C=CC=C2
1H-benzo[d]imidazole	C12=CC=CC=C1N=CN2
quinoline	C12=CC=CC=C1C=CC=N2

1H-purine	C12=CNC=NC1=NC=N2
1,2,6,7,8,9,10,11,12,13,14,15,16,17-tetradecahydro-3H-cyclopenta[a]phenanthren-3-one	O=C1CCC([C@@H]2C[C@H](CCC3)C3CC2)C(CCC)=C1
furan	C1=CC=CO1
1H-1,2,4-Triazole	N1=CN=CN1
10H-Phenothiazine	C12=CC=CC=C1NC3=C(C=CC=C3)S2
quinazoline	C12=CC=CC=C1C=NC=N2
morpholine	C1CNCCO1
pyrimidin-2(1H)-one	O=C1N=CC=CN1
quinolin-4(1H)-one	O=C1C2=C(C=CC=C2)NC=C1
(9S,14R)-6,7,8,9,10,11,12,13,14,15,16,17-dodecahydro-3H-cyclopenta[a]phenanthren-3-one	O=C1C=CC([C@H]2CCC3[C@@H](CCC3)C2)C(CCC)=C1
isoxazole	C1=CC=NO1
imidazoline	C1=NCCN1
1,4-dihydropyridine	C1=CCC=CN1
pyrimidine-2,4(1H,3H)-dione	O=C(N1)NC=CC1=O
3,4-dihydro-2H-benzo[e][1,4]diazepin-2-one	O=C1N=C2C=CC=CC2=CNC1
cyclohexene	C1=CCCCC1
pyrrolidin-2-one	O=C1NCCC1
imidazolidine-2,4-dione	O=C(CN1)NC1=O
1,2,3,4-tetrahydroisoquinoline	C1(C=CC=C2)=C2CCNC1
3,4-dihydro-2H-benzo[e][1,2,4]thiadiazine 1,1-dioxide	O=S1(NCNC2=C1C=CC=C2)=O
7,8,9,11,12,13,14,15,16,17-decahydro-6H-cyclopenta[a]phenanthrene	CCCC1=CC=CC=C1[C@@H]2C[C@H](CCC3)C3CC2
1H-pyrazole	N1=CC=CN1
quinuclidine	C1(CC2)CCN2CC1
epoxide	C1CO1
pyrazine	C1=CN=CC=N1
oxazolidinone	O=C1OCCN1
tetrahydronaphthalene	C1(C=CC=C2)=C2CCCC1
adamantane	C1(CC(C2)C3)CC2CC3C1
1,8-naphthyridin-4(1H)-one	O=C(C=CN1)C2=C1N=CC=C2

3,7-dihydro-1H-purine-2,6-dione	O=C(C(NC=N1)=C1N2)NC2=O
hexadecahydro-1H-cyclopenta[a]phenanthrene	CCC[C@H]1CCCCC1[C@@H]2C[C@H](CCC3)C3CC2
7,8,9,10-tetrahydrotetracene-5,12-dione	O=C(C(C=C(CCCC1)C1=C2)=C2C3=O)C4=C3C=CC=C4
cyclobutane	C1CCC1
1,2-dihydro-3H-1,2,4-triazol-3-one	O=C1NNC=N1
1,3,4-thiadiazole	C1=NN=CS1
azepane	C1NCCCCC1
8-azabicyclo[3.2.1]octane	C12CCCC(CC2)N1
piperidine-2,6-dione	O=C(N1)CCCC1=O
2,3-dihydro-1H-indene	O=C(N1)CCCC1=O
benzo[d]isoxazole	C12=CC=CC=C1C=NO2
1,9-dihydro-6H-purin-6-one	O=C1C2=C(NC=N2)N=CN1
9H-fluorene	C12=CC=CC=C1C3=C(C=CC=C3)C2
10,11-dihydro-5H-dibenzo[b,f]azepine	C12=CC=CC=C1CCC3=C(C=CC=C3)N2
(6aR,10aR)-4,6,6a,7,8,9,10,10a-octahydroindolo[4,3-fg]quinoline	C12=CC=CC3=C1C(C[C@@H]4[C@@H]2CCCN4)=CN3
1H-pyrrole	C1=CC=CN1
1,3-dioxolane	O1CCOC1
(1R,5S)-3-azabicyclo[3.1.0]hexane	[C@@H]1(C2)[C@H]2CNC1
cyclopentanone	O=C1CCCC1
pyrrolidine-2,5-dione	O=C(N1)CCC1=O
pyrazolidine	O=C(NN1)CC1=O
(R)-1-azabicyclo[3.2.0]hept-2-en-7-one	O=C1N2C=CC[C@@H]2C1
thiazolidine-2,4-dione	O=C(CS1)NC1=O
benzofuran	C12=CC=CC=C1C=CO2
1H-indazole	C12=CC=CC=C1C=NN2
indolin-2-one	O=C1NC2=CC=CC=C2C1
benzo[b]thiophene	C12=CC=CC=C1C=CS2
(R)-1,2,3,7,8,8a-hexahydronaphthalene	C12=CCCC[C@@H]1CCC=C2
4,5,6,7-tetrahydrothieno[3,2-c]pyridine	C1(C=CS2)=C2CCNC1

4H-chromen-4-one	O=C(C=CO1)C2=C1C=CC=C2
3,4-dihydroquino-2(1H)-one	O=C(CC1)NC2=C1C=CC=C2
napthalene-1,4-dione	O=C(C=CC1=O)C2=C1C=CC=C2
2H-benzo[e][1,2,4]thiadiazine 1,1-dioxide	O=S(C1=C2C=CC=C1)(NC=N2)=O
4H-benzo[f][1,2,4]triazolo[4,3-a][1,4]diazepine	C1(N2C(CN=C3)=NN=C2)=C3C=CC=C1
9H-thioxanthene	C12=CC=CC=C1CC3=C(C=CC=C3)S2
(5aR,8aR)-5,8,8a,9-tetrahydrofuro[3',4':6,7]naphtho[2,3-d][1,3]dioxol-6(5aH)-one	O=C(OC1)[C@H]2[C@H]1CC3=CC4=C(C=C3C2)OCO4
(3a1S,5aS,10bS)-3a,3a1,4,5,5a,6,11,12-octahydro-1H-indolizino[8,1-cd]carbazole	C12=CC=CC=C1[C@@]34[C@H](CCC5[C@@H]3N(CC=C5)CC4)N2
(4aR,5aR)-4a,5a,6,12a-tetrahydrotetracene-1,11(4H,5H)-dione	O=C1C2=CC3[C@H](CC=CC3=O)C[C@@H]2CC4=CC=CC=C41
1H-1,2,3-triazole	N1=NC=CN1
azetidin-2-one	O=C1NCC1
oxetan-2-one	O=C1OCC1

C.4: IUPAC Blue Book Rings

cyclopropane	C1CC1
spiropentane	C1CC12CC2
cyclobutane	C1CCC1
cyclopentane	C1CCCC1
furan	O1C=CC=C1
thiophene	C1=CC=CS1
pyrrole	N1C=CC=C1
2H-pyrrole	N1=CC=CC1
3H-pyrrole	N1=CCC=C1
pyrazole	N1N=CC=C1
2H-imidazole	C1N=CC=N1
1,2,3-triazole	N1N=NC=C1
1,2,4-triazole	N1N=CN=C1
1,2-dithiole	S1SC=CC1

1,3-dithiole	S1CSC=C1
3H-1,2-oxathiole	O1SCC=C1
isoxazole	O1N=CC=C1
oxazole	O1C=NC=C1
thiazole	S1C=NC=C1
isothiazole	S1N=CC=C1
1,2,3-oxadiazole	O1N=NC=C1
1,2,4-oxadiazole	O1N=CN=C1
1,2,5-oxadiazole	O1N=CC=N1
1,3,4-oxadiazole	O1C=NN=C1
1,2,3,4-oxatriazole	O1N=NN=C1
1,2,3,5-oxatriazole	O1N=NC=N1
3H-1,2,3-dioxazole	O1ONC=C1
1,2,4-dioxazole	O1OC=NC1
1,3,2-dioxazole	O1NOC=C1
1,3,4-dioxazole	O1CON=C1
5H-1,2,5-oxathiazole	O1SC=CN1
1,3-oxathiole	O1CSC=C1
benzene	C1=CC=CC=C1
cyclohexane	C1CCCCC1
2H-pyran	C1C=CC=CO1
4H-pyran	C1=CCC=CO1
2H-pyran-2-one	O=C1C=CC=CO1
4H-pyran-4-one	O=C1C=COC=C1
1,2-dioxin	O1OC=CC=C1
1,3-dioxin	O1COC=CC1
pyridine	C1=NC=CC=C1
pyridazine	C1=NN=CC=C1
pyrimidine	C1=NC=CC=N1
pyrazine	C1=NC=CN=C1
piperazine	N1CCNCC1
1,3,5-triazine	N1=CN=CN=C1
1,2,4-triazine	N1=NC=NC=C1
1,2,3-triazine	N1=NN=CC=C1
4H-1,2-Oxazine	O1N=CCC=C1

2H-1,3-Oxazine	O1CN=CC=C1
6H-1,3-Oxazine	O1C=NC=CC1
6H-1,2-Oxazine	O1N=CC=CC1
1,4-Oxazine	O1C=CN=CC1
2H-1,2-Oxazine	O1NC=CC=C1
4H-1,4-Oxazine	O1C=CNC=C1
1,2,5-Oxathiazine	O1SC=CN=C1
1,2,6-Oxathiazine	O1SC=CC=N1
1,2,4-Oxadiazine	O1NC=NC=C1
1,3,5-Oxadiazine	O1C=NC=NC1
morpholine	N1CCOCC1
azepine	N1C=CC=CC=C1
oxepin	O1C=CC=CC=C1
thiepin	S1C=CC=CC=C1
4H-1,2-diazepine	N1=CC=CCC=N1
indene	C12=C(CC=C2)C=CC=C1
2H-indene	C12=CCC=C1C=CC=C2
benzofuran	C12=CC=CC=C1C=CO2
isobenzofuran	C12=COC=C1C=CC=C2
benzo[b]thiophene	C12=CC=CC=C1C=CS2
benzo[c]thiophene	C12=CSC=C1C=CC=C2
indole	C12=C(NC=C2)C=CC=C1
3H-indole	C12=C(N=CC2)C=CC=C1
1H-indole	C12=C(NC=C2)C=CC=C1
cyclopenta[b]pyridine	C12=CC=CC1=CC=CN2
pyrano[3,4-b]-pyrrole	C12=COC=CC1=CC=N2
indazole	C12=C(NN=C2)C=CC=C1
benzisoxazole	C12=NOC=C1C=CC=C2
benzoxazole	C12=CC=CC=C1OC=N2
2,1-benzisoxazole	C12=CON=C1C=CC=C2
naphthalene	C12=CC=CC=C1C=CC=C2
1,2,3,4-tetrahydronaphthalene	C12=C(CCCC2)C=CC=C1
octahydronaphthalene	C12CCCCC1=CCCC2
2H-1-benzopyran	C12=CC=CC=C1OCC=C2
2H-1-benzopyran-2-one	O=C1C=CC2=CC=CC=C2O1

4H-1-benzopyran-4-one	O=C1C=COC2=CC=CC=C12
1H-2-benzopyran-1-one	O=C1C2=CC=CC=C2C=CO1
3H-2-benzopyran-1-one	O=C1C2=CC=CC=C2CCO1
quinoline	C12=CC=CC=C1N=CC=C2
isoquinoline	C12=C(C=NC=C2)C=CC=C1
cinnoline	C12=CC=NN=C1C=CC=C2
quinazoline	C12=CN=CN=C1C=CC=C2
1,8-napthyhridine	C1=CC2=C(N=C1)N=CC=C2
1,7-napththyridine	C1=CC2=C(C=NC=C2)N=C1
1,5-napththridine	C1=CC2=C(C=CC=N2)N=C1
1,6-napthyridine	C1=CC2=C(C=CN=C2)N=C1
2H-1,3-benzoxazine	C12=CC=CC=C1OCN=C2
2H-1,4-benzoxazine	C12=CC=CC=C1OCC=N2
1H-2,3-benzoxazine	C12=CC=CC=C1CON=C2
4H-3,1-benzoxazine	C12=CC=CC=C1N=COC2
2H-1,2-benzoxazine	C12=CC=CC=C1ONC=C2
4H-1,3-benzoxazine	C12=CC=CC=C1OC=NC2
anthracene	C12=CC=CC=C1C=C3C=CC=CC3=C2
phenanthrene	C12=CC=CC=C1C=CC3=CC=CC=C23
phenalene	C12=C3C(CC=C2)=CC=CC3=CC=C1
fluorene	C1(CC2=C3C=CC=C2)=C3C=CC=C1
carbazole	C1(NC2=C3C=CC=C2)=C3C=CC=C1
xanthene	C1(CC2=C(C=CC=C2)O3)=C3C=CC=C1
acridine	C12=NC3=CC=CC=C3C=C1C=CC=C2
norpinane	C1(C2)CCCC2C1
7H-purine	C12=NC=NC=C1NC=N2
steroid_ring_system	C12CCCCC1C3C(C(CCC4)C4CC3)CC2

C.5: Hetereo Ring Systems That Pass FDA Phase II Trials

pyridine	C1=CC=NC=C1
indole	C12=CC=CC=C1C=CN2
imidazole	C1=CN=CN1

thiazol-2-amine	NC1=NC=CS1
tetrazole	C1=NN=NN1
1,2,4-triazole	C1=NC=NN1
thiophene	C1=CC=CS1
cytosine	O=C1N=C(N)C=CN1
adenine	NC1=NC=NC2=C1N=CN2
5-methylindole	CC1=CC=C2C(C=CN2)=C1
isocaffeine	O=C(N1C)NC2=C(N=CN2)C1=O
tetrazolethiol	SN1N=NN=C1
3-methylisoxazole	C1=CC=NO1
1-methylimidazole	CN1C=NC=C1
2-methylimidazole	CC1=NC=CN1
guanine	NC(N1)=NC2=C(N=CN2)C1=O
quinoline	C12=CC=CC=C1N=CC=C2
furan	C1=CC=CO1
tosufloxacin	NC1=C(F)C=C2C(NC=C(C(O)=O)C2=O)=N1

C.6: Privileged Scaffolds Elected By Biology

indole	C12=CC=CC=C1C=CN2
quinoline	C12=CC=CC=C1N=CC=C2
isoquinoline	C12=C(C=NC=C2)C=CC=C1
purine	C12=NC=NC=C1NC=N2
quinoxaline	C12=CC=CC=C1N=CC=N2
quinazolinone	O=C1NC2=C(C=CC=C2)C=N1
tetrahydroisoquinoline	C12=C(CNCC2)C=CC=C1
tetrahydraquinoline	C12=C(NCCC2)C=CC=C1
benzoxazole	C12=CC=CC=C1OC=N2
benzofuran	C12=CC=CC=C1C=CO2
3,3-dimethylbenzopyran	CC1(C)C=CC2=CC=CC=C2O1
chromone	O=C1C=COC2=C1C=CC=C2
coumarin	O=C1OC2=C(C=CC=C2)C=C1
carbohydrate	OCC1OC(O)C(O)C(O)C1O
steroid	C12CCCCC1C3C(C(CCC4)C4CC3)CC2

prostanoic acid	CCCCCCCC[C@@H]1[C@H](CCC1)CCCCCCC(O)=O
benzodiazepine	O=C1CN=C(C2=CC=CC=C2)C3=C(C=CC=C3)N1
arylpiperidine	C1(C2CCNCC2)=CC=CC=C1
arylpiperizine	C1(N2CCNCC2)=CC=CC=C1
benzylpiperidine	N1(CC2=CC=CC=C2)CCCCC1
benzothiophene	C12=CC=CC=C1C=CS2
dihydropyridine	C1CC=CC=N1
benzimidazole	C12=CC=CC=C1NC=N2
biphenyltetrazole	C1(C2=C(C3=CC=CC=C3)C=CC=C2)=NN=NN1
3,3-hydroxy-2-oxindole	OC(C1=CC=CC=C1N2)C2=O
5,7,5-lactone	C=C1C2CCCC3C(CC3)C2OC1=O
6,6-spiroacetal	C1CCCC2(CCCCO2)O1
dihydropyrimidone	O=C1NCC=CN1
indolizine	N12C=CC=C1C=CC=C2
biphenyl	C1(C2=CC=CC=C2)=CC=CC=C1
triazaspirodecanone	O=C(NC1)C2(CCNCC2)N1C3=CC=CC=C3
N-acylhydrazone	[H]C(/N=N/CC)=O
pyrrolinone	O=C1C=CNC1
hydroxyamate	ONC(CCC(C)=O)=O
trans-lactam	O=C1NC2CCCC2C1
trans-lactone	O=C1OC2CCCC2C1
hexahydroisoindole	C12CNCC1CCCC2
benzimidazolone	O=C1N(C2CCNCC2)C3=CC=CC=C3N1
indoline	C12=C(NCC2)C=CC=C1
2-arylbenzothiazole	C12=CC=CC=C1N=C(C3=CC=CC=C3)S2
imidazolequinoxaline	C1(NC2)=CC=CC=C1N3C2=CN=C3
spiroindanylpiperidine	C12=CC=CC=C1C3(CCNCC3)CC2
aminopyridazine	NC1=NN=CC=C1
1,4-pyrazolodiazepin-8-one	O=C1NCCNC2=CNN=C21
rhodanine	S=C(N1)SCC1=O
pyranopyridone	O=C1C2=C(OCC=C2)C=CN1
pyranoquinolone	O=C1C=CC2=CC=CC=C2N1

C.7: IUPAC Common Functional Groups

acetamido	O=C(N)C
acetoacetyl	O=C(C)CC(=O)O
acetyl	C(C)=O
acryloyl	C=CC(C)=O
alanyl	N[CH](C)C(C)=O
beta-alanyl	NCCC(C)=O
allyl	[CH2]C=C
allylidene	[CH]C=C
amidino	NC=N
amino	N
amyl	[CH2]CCCC
anilino	NC1=CC=CC=C1
anisidino	NC1=CC=C(OC)C=C1
anthranoyl	NC1=CC=CC=C1[C](C)=O
arsino	[AsH3]
azelaoyl	O=CCCCCCCCC=O
azido	[N]=[N+]=[N-]
azo	C/N=N/C
azoxy	C/N=[N+]([O-])/C
benzal	[CH]C1=CC=CC=C1
benzamido	O=C(N)C1=CC=CC=C1
benzhydrol	OC(C1=CC=CC=C1)C2=CC=CC=C2
benzoxy	[O]CC1=CC=CC=C1
benzoyl	O=[C]C1=CC=CC=C1
benzyl	[CH2]C1=CC=CC=C1
benzylidene	[CH]C1=CC=CC=C1
benzylidyne	[C]C1=CC=CC=C1
biphenylyl	C1(C2=CC=CC=C2)=CC=CC=[C]1
biphenylene	C12=C3C=CC=CC3=C1C=CC=C2
butoxy	[O]CCCC
sec-butoxy	[O]C(C)CC
tert-butoxy	[O]C(C)(C)C

butyl	[CH2]CCC
sec-butyl	CC[CH]C
tert-butyl	C[C](C)C
butyryl	O=[C]CCC
caproyl	CCCCC[C]=O
capryl	CCCCCCCC
capryloyl	CCCCCCC[C]=O
carbamido	C(=O)(N)N
carbamoyl	N[C]=O
carbamyl	N[C]=O
carbazoyl	NN[C]=O
carbethoxy	O=[C]OCC
carbonyl	[CH]=O
carboxy	O=[C]O
cetyl	[CH2]CCCCCCCCCCCCCCCC
chloroformyl	O=[C]Cl
cinnamoyl	O=[C]C=CC1=CC=CC=C1
cinnamyl	[CH2]C=CC1=CC=CC=C1
cinnamylidene	[CH]C=CC1=CC=CC=C1
cresyl	OC1=CC=C(C)C=C1
crotonoyl	C/C=C/[C]=O
crotyl	[CH2]/C=C/C
cyanamido	[NH]C#N
cyanato	[O]C#N
cyano	[C]#N
decanedioyl	O=[C]CCCCCCCC[C]=O
decanoyl	CCCCCCCCC[C]=O
diazo	[N+]=[N-]
diazoamino	N=NN
disilanyl	[SiH2][SiH3]
disiloxanyloxy	[O][SiH2]O[SiH3]
disulfinyl	O=[S]S=O
dithio	[S]S
enanthoyl	CCCCCC[C]=O
epoxy	[O]

ethenyl	[CH]=C
ethynyl	[C]#C
ethoxy	[O]CC
ethyl	[CH2]C
ethylene	C=C
ethylidene	[CH]C
ethylthio	[S]CC
formamido	O=C[NH]
formyl	[CH]=O
furmaroyl	O=CO
furfuryl	[CH2]C1=CC=CO1
furfurylidene	[CH]C1=CC=CO1
glutamoyl	N[C@@H](CC[C]=O)[C]=O
glutaryl	O=[C]CCC[C]=O
glycylamino	[NH]C(CN)=O
glycoloyl	OC[C]=O
glycyl	NC[C]=O
glyoxyoyl	O=[C]C=O
guanidino	[NH]C(N)=N
guanyl	N=[C]N
heptadecanoyl	CCCCCCCCCCCCCCCC[C]=O
heptanamido	CCCCCCC([NH])=O
heptanoyl	CCCCCC[C]=O.CCCCCCC([NH])=O
hexadecanoyl	CCCCCCCCCCCCCCCC[C]=O.CCCCCC[C]=O.CCCCCCC([NH])=O
hexamethylene	CCCCCC
hexanedioyl	O=[C]CCCC[C]=O
hippuryl	[CH2]CNC(C1=CC=CC=C1)=O
hydrazino	N[NH]
hydrazo	NN
hydrocinnamoyl	O=[C]CCC1=CC=CC=C1
hydroperoxy	[O]O
hydroxyamino	[NH]O
imino	[NH]
iodoso	I=O
iodyl	O=I=O

isoamyl	[CH2]CC(C)C
isobutenyl	[CH]=C(C)C
isobutoxy	[O]CC(C)C
isobutyl	[CH2]C(C)C
isobutylidene	[CH]C(C)C
isobutyryl	O=[C]C(C)C
isocyanato	[N]=C=O
isocyano	[N+]#[C-]
isohexyl	[CH2]CCC(C)C
isoleucyl	N[C@@H]([C@@H](C)CC)[C]=O
isonitroso	[N]O
isopentyl	[CH2]CC(C)C
isopentylidene	[CH]CC(C)C
isopropenyl	C=[C]C
isopropoxy	[O]C(C)C
isopropyl	C[CH]C
isopropylidene	C[C]C
isothiocynato	N=C=S
isovaleryl	O=[C]CC(C)C
lactoyl	OC(C)[C]=O
lauroyl	CCCCCCCCCCC[C]=O
lauryl	[CH2]CCCCCCCCCCC
leucyl	N[C@@H](CC(C)C)[C]=O
levulinoyl	O=C(C)CC[C]=O
malonyl	O=[C]C[C]=O
mandeloyl	OC(C1=CC=CC=C1)[C]=O
mercapto	[SH]
mesityl	CC1=CC(C)=CC(C)=[C]1
methacryloyl	CC([C]=O)=C
methallyl	[CH2]C(C)=C
methionyl	N[C@@H](CCSC)[C]=O
methoxy	[O]C
methyl	[CH3]
methylene	[CH2]
methylthio	[S]C

myristoyl	CCCCCCCCCCCCC[C]=O
myristyl	[CH2]CCCCCCCCCCCCC
naphthyl	C12=CC=C[C]=C1C=CC=C2
naphthylene	C12=CC=CC=C1C=CC=C2
neopentyl	[CH2]C(C)(C)C
nitramino	[NH][N+]([O-])=O
nitro	O=[N+][O-]
nitrosamino	[NH]N=O
nitroso	[N]=O
nonanoyl	CCCCCCCC[C]=O
oleoyl	CCCCCCCC/C=C\CCCCCCC[C]=O
oxalyl	O=[C]C=O
oxo	[O]
palmitoyl	CCCCCCCCCCCCCCC[C]=O
pentamethylene	O=C1C(C=C)[C@@]2([H])SCCN12
pentyl	[CH2]CCCC
tert-pentyl	CC[C](C)C
phenacyl	[CH2]C(C1=CC=CC=C1)=O
phenacylidene	[CH]C(C1=CC=CC=C1)=O
phenethyl	[CH2]CC1=CC=CC=C1
phenoxy	[O]C1=CC=CC=C1
phenyl	[C]1=CC=CC=C1
phenylene	C1=C[C]=CC=[C]1
phosphino	[PH2]
phosphinyl	[PH2]=O
phospho	O=[P](O)O
phosphono	O=[P](O)O
phthaloyl	O=[C]C1=CC=CC=C1[C]=O
picryl	[O-][N+](C1=CC([N+]([O-])=O)=CC([N+]([O-])=O)=[C]1)=O
pimeloyl	O=[C]CCCCC[C]=O
piperidino	[N]1CCCCC1
pivaloyl	CC(C)(C)[C]=O
prenyl	[CH2]/C=C(C)\C

propargyl	[CH2]C#C
1-propenyl	[CH]=CC
2-propenyl	[CH2]C=C
propionyl	O=[C]CC
propoxy	[O]CCC
propyl	[CH2]CC
propylidene	[CH]CC
pyrryl	N1[C]=CC=C1
salicyloyl	OC1=CC=CC=C1[C]=O
selenyl	[SeH]
seryl	N[C@@H](CO)[C]=O
siloxy	[O][SiH3]
silyl	[SiH3]
silyene	[SiH2]
sorboyl	CC=CC=CC(O)=O
stearoyl	CCCCCCCCCCCCCCCCC[C]=O
stearyl	[CH2]CCCCCCCCCCCCCCCCC
styryl	[CH]=CC1=CC=CC=C1
suberoyl	O=[C]CCCCCC[C]=O
succinyl	O=[C]CC[C]=O
sulfamino	[NH]S(=O)(O)=O
sulfamoyl	O=[S](N)=O
sulfanilyl	O=[S](C1=CC=C(N)C=C1)=O
sulfeno	[S]O
sulfhydryl	[SH]
sulfinyl	S=O
sulfo	O=[S](O)=O
sulfonyl	O=S=O
terephthaloyl	O=[C]C1=CC=C([C]=O)C=C1
tetramethylene	CCCC
thienyl	[C]1=CC=CS1
thiocarbonyl	[CH]=S
thiocarboxy	S=[C]O
thiocyanato	[S]C#N
thionyl	S=O

threonyl	N[C@@H]([C@H](O)C)[C]=O
toluidino	[NH]C1=CC=C(C)C=C1
toluoyl	CC1=CC=C([C]=O)C=C1
tolyl	CC1=CC=[C]C=C1
alpha-tolyl	[C]C1=CC=CC=C1
tolylene	[CH]C1=CC=CC=C1
tosyl	O=[S](C1=CC=C(C)C=C1)=O
triazano	[NH]N[NH]
trimethylene	CCC
trityl	[C](C1=CC=CC=C1)(C2=CC=CC=C2)C3=CC=CC=C3
valeryl	O=[C]CCCC
valyl	N[C@@H](C(C)C)[C]=O
vinyl	[CH]=C
vinylidene	[C]=C
xylidino	[NH]C1=CC=C(C)C=C1C
xylyl	CC1=CC=[C]C(C)=C1
xylylene	NCC1=CC=CC(CN)=C1

C.8: Common R Group Replacements for Fragment-Based Drug Design

water	O
methanol	OC
ammonia	N
hydrogen chloride	Cl
hydrogen fluoride	F
ethane	CC
hydrogen cyanide	C#N
formic acid	C(=O)O
hydrogen bromide	Br
fluroform	C(F)(F)F
propane	C(C)C
toulene	CC1=CC=CC=C1
pyridine	C1=NC=CC=C1

dimethylamine	N(C)C
ethanol	OCC
formamide	C(N)=O
morpholine	N1CCOCC1
nitro	[N+](=O)[O-]
isobutane	C(C)(C)C
anisole	c1ccc(OC)cc1
flurobenzene	c1ccc(F)cc1
cyclohexane	C1CCCCC1
acetic acid	CC(=O)O
methyl formate	C(=O)OC
butane	CCCC
acetamide	NC(C)=O
methanamine	NC
acetaldehyde	C(C)=O
chlorobenzene	c1ccc(Cl)cc1
1-methylpiperazine	N1CCN(C)CC1
phenylmethanol	OCc1ccccc1
ethylbenzene	CCc1ccccc1
piperidine	N1CCCCC1
thiophene	c1cccs1
cyclopropane	C1CC1
phenol	Oc1ccccc1
aniline	Nc1ccccc1
hydrosulfonylmethane	S(C)(=O)=O
piperazine	N1CCNCC1
pyrrolidine	N1CCCC1
4-methylmorpholine	CN1CCOCC1
hydrogen iodide	I
ethyl formate	C(=O)OCC
sulfonic amide	S(N)(=O)=O
phenylmethanamine	NCc1ccccc1
N-methylformamide	C(=O)NC
trimethylamine	CN(C)C
N,N-dimethylformamide	C(=O)N(C)C

thiol	SC
benzaldehyde	C(=O)c1ccccc1
1-methylpiperidine	CN1CCCCC1
cyclopentane	C1CCCC1
N-hydroxyformamide	C(=O)NO
pyrimidine	c1cncnc1
furan	c1ccco1
ethanamine	CCN
benzonitrile	c1ccc(C#N)cc1
propionic acid	CCC(=O)O
propan-2-ol	OC(C)C
methanesulfonamide	NS(C)(=O)=O
pentane	CCCCC
morpholine-4-carbaldehyde	C(=O)N1CCOCC1
trifluoromethanol	OC(F)(F)F
methoxymethane	COC
cyclohexanamine	NC1CCCCC1
formaldehyde	C=O
N-phenylformamide	C(=O)Nc1ccccc1
butan-1-ol	OCCCC
pyrazine	c1cnccn1
naphthalene	c1ccc2ccccc2c1
propan-1-ol	OCCC
benzamide	NC(=O)c1ccccc1
1-methyl-1H-pyrazole	c1cnn(C)c1
N-benzylformamide	C(=O)NCc1ccccc1
1H-imidazole	n1ccnc1
propan-2-amine	NC(C)C
1,3-Benzodioxole	c1ccc2c(c1)OCO2
1-methylpyrrolidine	CN1CCCC1
methylcyclohexane	CC1CCCCC1
ethyne	C#C
2-methoxypyridine	c1ccc(OC)nc1
N,N-dimethylethanamine	CCN(C)C
thiazole	c1nccs1

bromobenzene	c1ccc(Br)cc1
4-methylpyridine	Cc1ccncc1
2-methoxyethan-1-ol	OCCOC
hexane	CCCCCC
Tetrahydropyran	C1CCOCC1
1H-pyrazole	c1cn[nH]c1
1-methyl-1H-imidazole	Cn1ccnc1
benzoic acid	c1ccc(C(=O)O)cc1
boronic acid	B(O)O
2-hydroxyacetic acid	OCC(=O)O
ethene	C=C
piperidine-1-carbaldehyde	C(=O)N1CCCCC1
styrene	C=Cc1ccccc1
1-fluoro-4-methylbenzene	Cc1ccc(F)cc1
ethylene glycol	OCCO
2-(dimethylamino)ethan-1-ol	OCCN(C)C
(trifluoromethyl)benzene	c1ccc(C(F)(F)F)cc1
diethylamine	N(CC)CC
N-cyclohexylformamide	C(=O)NC1CCCCC1
benzothiazole	c1nc2ccccc2s1
methylcyclopropane	CC1CC1
N-ethyl-N-methylethanamine	CN(CC)CC
1H-benzoimidazole	c1nc2ccccc2[nH]1
N-isopropylformamide	C(=O)NC(C)C
2-aminoethan-1-ol	NCCO
N-(2-hydroxyethyl)formamide	C(=O)NCCO
2,3-dihydrobenzo[b][1,4]dioxine	c1ccc2c(c1)OCCO2
benzothiophene	c1cc2ccccc2s1
propylbenzene	CCCc1ccccc1
pyrrolidine-1-carbaldehyde	C(=O)N1CCCC1
1,4-dimethylpiperazine	CN1CCN(C)CC1
N-ethylformamide	C(=O)NCC
2-morpholinoethan-1-ol	OCCN1CCOCC1
4-ethylmorpholine	CCN1CCOCC1
indole	c1c[nH]c2ccccc12

quinoline	c1cnc2ccccc2c1
3-(dimethylamino)propan-1-ol	OCCCN(C)C
3-methylpyridine	Cc1cccnc1
cyclobutane	C1CCC1
formimidamide	C(=N)N
benzofuran	c1cc2ccccc2o1
1-methoxy-4-methylbenzene	Cc1ccc(OC)cc1
2-methylpyridine	Cc1ccccn1
acetonitrile	CC#N
1,2-dichlorobenzene	c1ccc(Cl)c(Cl)c1
N,N-dimethylaniline	c1ccc(N(C)C)cc1
hydrosulfonylbenzene	S(=O)(=O)c1ccccc1
N-methylacetamide	CNC(C)=O
hydrogen sulfide	S
2-phenylethan-1-amine	NCCc1ccccc1
2-(pyrrolidin-1-yl)ethan-1-ol	OCCN1CCCC1
methoxyethane	CCOC
1,2-dimethoxybenzene	c1ccc(OC)c(OC)c1
nitrobenzene	c1ccc([N+](=O)[O-])cc1
ethynylbenzene	C#Cc1ccccc1
N-(pyridin-3-yl)formamide	C(=O)Nc1cccnc1
2-(piperidin-1-yl)ethan-1-ol	OCCN1CCCCC1
benzenesulfonamide	c1ccc(S(N)(=O)=O)cc1
1-ethylpyrrolidine	CCN1CCCC1
pyrazole	c1cc[nH]n1
3-(piperidin-1-yl)propan-1-ol	OCCCN1CCCCC1
N,N-diethylformamide	C(=O)N(CC)CC
acetophenone	c1ccc(C(C)=O)cc1
benzooxazole	c1nc2ccccc2o1
4-methylpiperazine-1-carbaldehyde	C(=O)N1CCN(C)CC1
benzenethiol	Sc1ccccc1
sulfuric diamide	NS(N)(=O)=O
4-methoxyaniline	Nc1ccc(OC)cc1
1-chloro-4-methylbenzene	Cc1ccc(Cl)cc1

propan-1-amine	CCCN
ethoxybenzene	c1ccc(OCC)cc1
5-methylene-2-thioxothiazolidin-4-one	C=C1SC(=S)NC1=O
1,3-difluorobenzene	c1ccc(F)cc1F
(trifluoromethoxy)benzene	c1ccc(OC(F)(F)F)cc1
heptane	CCCCCCC
pyridin-2-amine	c1ccc(N)nc1
1-ethylpiperidine	CCN1CCCCC1
formohydrazide	C(=O)NN
2-chlorothiophene	c1ccc(Cl)s1
piperidin-4-ol	N1CCC(O)CC1
2-methylthiazole	c1csc(C)n1
N-cyclopropylformamide	C(=O)NC1CC1
prop-2-en-1-ol	OCC=C
cyclopentanamine	NC1CCCC1
urea	NC(N)=O
prop-1-ene	CC=C
(methylsulfonyl)benzene	c1ccc(S(C)(=O)=O)cc1
difluoromethanol	OC(F)F
2-phenylacetamide	NC(=O)Cc1ccccc1
4-fluorobenzaldehyde	C(=O)c1ccc(F)cc1
N-propylformamide	C(=O)NCCC
N-tert-butylformamide	C(=O)NC(C)(C)C
tetrazole	c1nnn[nH]1
pyrrolidin-3-ol	N1CCC(O)C1
biphenyl	c1ccc(-c2ccccc2)cc1
cyclopropanamine	NC1CC1
formaldehyde oxime	C=NO
furan-2-carboxamide	NC(=O)c1ccco1
3-morpholinopropan-1-ol	OCCCN1CCOCC1
propionamide	NC(=O)CC
2-(piperazin-1-yl)ethan-1-ol	N1CCN(CCO)CC1
pyridin-3-ylmethanamine	NCc1cccnc1
N-hydroxyacrylamide	C=CC(=O)NO

N-(2-methoxyethyl)formamide	C(=O)NCCOC
2-methylthiophene	Cc1cccs1
tert-butylbenzene	c1ccc(C(C)(C)C)cc1
cyclohexanecarboxamide	NC(=O)C1CCCCC1
4-fluorophenol	Oc1ccc(F)cc1
2-ethynylpyridine	C#Cc1ccccn1
(4-methoxyphenyl)methanamine	NCc1ccc(OC)cc1
butyric acid	CCCC(=O)O
1-Acetylpiperazine	N1CCN(C(C)=O)CC1
3,5-dimethylisoxazole	c1c(C)noc1C
2-methyl-1H-imidazole	n1ccnc1C
1-ethylpiperazine	N1CCN(CC)CC1
adamantane	C12CC3CC(CC(C3)C1)C2
1-chloro-3-methylbenzene	Cc1cccc(Cl)c1
1,2-difluorobenzene	c1ccc(F)c(F)c1
1-phenylurea	NC(=O)Nc1ccccc1
2-methylpropan-2-ol	OC(C)(C)C
1-chloro-2-methylbenzene	Cc1ccccc1Cl
N-phenethylformamide	C(=O)NCCc1ccccc1
isonicotinamide	NC(=O)c1ccncc1
N-methylcyclopentanamine	CNC1CCCC1
2-methoxyethan-1-amine	NCCOC
propionaldehyde	C(=O)CC
N-(4-chlorophenyl)formamide	C(=O)Nc1ccc(Cl)cc1
2-chloropyridine	c1ccc(Cl)nc1
N,N-dimethylpropan-1-amine	CCCN(C)C
5-methylenethiazolidine-2,4-dione	C=C1SC(=O)NC1=O
3-methoxypyridine	c1cncc(OC)c1
3-(trifluoromethyl)pyridine	c1ncccc1C(F)(F)F
4-methylbenzenesulfonamide	NS(=O)(=O)c1ccc(C)cc1
2-phenylethan-1-ol	OCCc1ccccc1
N-cyclopentylformamide	C(=O)NC1CCCC1
indazole	c1ccc2[nH]ncc2c1
cyclopentanol	OC1CCCC1
nicotinamide	NC(=O)c1cccnc1

isopentane	CCC(C)C
hydrosulfonylethane	S(=O)(=O)CC
tert-butyl carbamate	NC(=O)OC(C)(C)C
(tetrahydrofuran-2-yl)methanol	OCC1CCCO1
N,N-dimethylacetamide	CC(=O)N(C)C
1-phenylpiperazine	N1CCN(c2ccccc2)CC1
2-methylpropan-1-ol	C(C)(C)CO
N-methylethanamine	CCNC
1,3-dichlorobenzene	c1ccc(Cl)cc1Cl
tert-butyl formate	C(=O)OC(C)(C)C
thiophene-2-carbaldehyde	C(=O)c1cccs1
1-methyl-1,4-diazepane	N1CCCN(C)CC1
N-phenylacetamide	c1ccc(NC(C)=O)cc1
octane	CCCCCCCC
1-methoxy-2-methylbenzene	Cc1ccccc1OC
1H-pyrrole-2,5-dione	N1C(=O)C=CC1=O
sulfamic acid	OS(N)(=O)=O
2-methylisoindoline-1,3-dione	CN1C(=O)c2ccccc2C1=O
(difluoromethyl)phosphonic acid	C(F)(F)P(=O)(O)O
pyrimidin-2-amine	c1ccnc(N)n1
1H-benzo[d]imidazole-5-carboxamide	c1nc2cc(C(N)=O)ccc2[nH]1
2-methylpropan-2-amine	NC(C)(C)C
N-(4-fluorophenyl)formamide	C(=O)Nc1ccc(F)cc1
oxazole	c1cnco1
pyridin-3-ylmethanol	OCc1cccnc1
pyridin-3-ol	Oc1cccnc1
picolinamide	NC(=O)c1ccccn1
cyclopropylmethanol	OCC1CC1
ethyl carbamate	NC(=O)OCC
2-(diethylamino)ethan-1-ol	OCCN(CC)CC
pyrocatechol	c1ccc(O)c(O)c1
acrylamide	NC(=O)C=C
azetidine	N1CCC1
p-xylene	Cc1ccc(C)cc1

1-methylpiperidin-4-ol	OC1CCN(C)CC1
4-hydrosulfonylmorpholine	S(=O)(=O)N1CCOCC1
4-methyl-1H-imidazole	Cc1c[nH]cn1
N-(pyridin-4-yl)formamide	C(=O)Nc1ccncc1
4-methoxyphenol	Oc1ccc(OC)cc1
fluoromethane	CF
N-methylbenzamide	CNC(=O)c1ccccc1
pyridin-3-amine	Nc1cccnc1
pyridin-4-ylmethanamine	NCc1ccncc1
imidazole	c1ncc[nH]1
3-chlorophenol	Oc1cccc(Cl)c1
1-ethylurea	NC(=O)NCC
methyl benzoate	c1ccc(C(=O)OC)cc1
(aminomethylene)bis(phosphonic acid)	NC(P(=O)(O)O)P(=O)(O)O
pyridin-4-amine	Nc1ccncc1
pyrrole	n1cccc1
N-methyl-2-phenylcyclopropan-1-amine	CNC1CC1c1ccccc1
5-methoxy-3-methyl-1,3,4-oxadiazol-2(3H)-one	Cn1nc(OC)oc1=O
(methylsulfonyl)methane	CS(C)(=O)=O
1-(piperidin-1-yl)ethan-1-one	C1CCN(C(C)=O)CC1
methyl acetate	CC(=O)OC
4-chlorophenol	Oc1ccc(Cl)cc1
ethane-1,2-diamine	NCCN
4-methylpiperidine	N1CCC(C)CC1
benzyl formate	C(=O)OCc1ccccc1
N,N-dimethylsulfonic amide	S(=O)(=O)N(C)C
4-methoxybenzaldehyde	C(=O)c1ccc(OC)cc1
N-hydroxyacetamide	CC(=O)NO
1H-1,2,4-triazole	n1cncn1
2-fluoroethan-1-ol	OCCF
2-aminobenzamide	Nc1ccccc1C(N)=O
N-hydroxypropionamide	CCC(=O)NO

2H-tetrazole	c1nn[nH]n1
prop-2-yn-1-ol	OCC#C
piperidin-4-ylmethanol	N1CCC(CO)CC1
3-ethynylpyridine	C#Cc1cccnc1
4-chlorobenzaldehyde	C(=O)c1ccc(Cl)cc1
methylphosphonic acid	CP(=O)(O)O
isobutyramide	NC(=O)C(C)C
cyclopropylmethanamine	NCC1CC1
N,N-dimethylpyrrolidin-3-amine	N1CCC(N(C)C)C1
4,5-dihydrooxazol-2-amine	C1COC(N)=N1
1,2,3,4-tetrahydroisoquinoline	N1CCc2ccccc2C1
4-phenylmorpholine	c1ccc(N2CCOCC2)cc1
4,5-dihydro-1H-imidazole	C1=NCCN1
3-aminopropan-1-ol	NCCCO
2,2,2-trifluoroacetaldehyde	C(=O)C(F)(F)F
trifluoromethanethiol	SC(F)(F)F
N-ethylacetamide	CCNC(C)=O
N-methylaniline	N(C)c1ccccc1
phenylmethanethiol	SCc1ccccc1
4-(pyrrolidin-1-yl)piperidine	N1CCC(N2CCCC2)CC1
4-(trifluoromethyl)pyrimidine	c1nccc(C(F)(F)F)n1
1-methoxy-3-methylbenzene	Cc1cccc(OC)c1
N-butylformamide	C(=O)NCCCC
2,2,2-trifluoroethan-1-ol	OCC(F)(F)F
p-toluidine	Nc1ccc(C)cc1
1,3-dimethoxybenzene	c1cc(OC)cc(OC)c1
N,N-dimethyl-1-phenylmethanamine	CN(C)Cc1ccccc1
2-methylnaphthalene	Cc1ccc2ccccc2c1
tetrahydrofuran	C1CCCO1
acrylic acid	C=CC(=O)O
2-(methylamino)ethan-1-ol	CNCCO
4-methylbenzaldehyde	C(=O)c1ccc(C)cc1
3,4-dimethyl-1H-pyrazole-5-carboxylic acid	Cc1c(C)n[nH]c1C(=O)O

chloromethane	CCl
butyramide	NC(=O)CCC
1-chloro-4-hydrosulfonylbenzene	S(=O)(=O)c1ccc(Cl)cc1
difluoromethane	C(F)F
3-(pyrrolidin-1-yl)propan-1-ol	OCCCN1CCCC1
cyclopropylbenzene	C1CC1c1ccccc1
cumene	c1ccc(C(C)C)cc1
2-methyltetrahydrofuran	CC1CCCO1
N-methylpropan-2-amine	CNC(C)C
alanine	CC(N)C(=O)O
1,2,3,6-tetrahydropyridine	C1=CCNCC1
2-(trifluoromethyl)pyridine	c1ccc(C(F)(F)F)nc1
hydroquinone	Oc1ccc(O)cc1
4-fluoroaniline	Nc1ccc(F)cc1
1-fluoro-2-methoxybenzene	c1ccc(OC)c(F)c1
2-ethylidenehydrazine-1-carbothioamide	C(C)=NNC(N)=S
furan-2-carbaldehyde	C(=O)c1ccco1
butan-1-amine	NCCCC
triaza-1,2-dien-2-ium	N=[N+]=N
pyridin-2-ylmethanol	OCc1ccccn1
resorcinol	c1cc(O)cc(O)c1
piperidin-3-ol	N1CCCC(O)C1
cyclopropanecarboxamide	NC(=O)C1CC1
1-methyl-1H-1,2,4-triazole	Cn1cncn1
4-chlorobenzene-1,2-diol	Oc1ccc(Cl)cc1O
N-methyl-1-phenylmethanamine	N(C)Cc1ccccc1
pyrazin-2-amine	c1cnc(N)cn1
thiophen-2-ylmethanamine	NCc1cccs1
2-morpholinoethan-1-amine	NCCN1CCOCC1
thiomorpholine 1,1-dioxide	N1CCS(=O)(=O)CC1
2-isopropoxypyridine	c1ccc(OC(C)C)nc1
pyridazine	c1ccnnc1
3-fluoropyridine	c1ccc(F)cn1
isoquinoline	c1cncc2ccccc12

4-chloroaniline	Nc1ccc(Cl)cc1
pyrrolidin-2-one	N1CCCC1=O
5-methyloctahydropyrrolo[3,4-b]pyrrole	N1CCC2CN(C)CC21
4-methoxybenzamide	NC(=O)c1ccc(OC)cc1
m-cresol	Oc1cccc(C)c1
4,4,5,5-tetramethyl-1,3,2-dioxaborolane	B1OC(C)(C)C(C)(C)O1
N1,N1-dimethylethane-1,2-diamine	NCCN(C)C
1-phenylthiourea	NC(=S)Nc1ccccc1
1-methyl-4-(trifluoromethyl)benzene	Cc1ccc(C(F)(F)F)cc1
isopropoxybenzene	c1ccc(OC(C)C)cc1
4-methoxypiperidine	N1CCC(OC)CC1
1,2-dichloro-4-methylbenzene	Cc1ccc(Cl)c(Cl)c1
1-(4-chlorophenyl)urea	NC(=O)Nc1ccc(Cl)cc1
thiazol-2-amine	Nc1nccs1
o-xylene	c1ccc(C)c(C)c1
2-methyl-1,3,4-oxadiazole	c1nnc(C)o1
1-fluoro-3-methylbenzene	Cc1cccc(F)c1
(methoxymethyl)benzene	COCc1ccccc1
hydrazine	NN
1-cyclohexylurea	NC(=O)NC1CCCCC1
ethanethiol	SCC
N-hydroxypentanamide	CCCCC(=O)NO
thiophene-2-carboxamide	NC(=O)c1cccs1
N-(cyclopropylmethyl)formamide	C(=O)NCC1CC1
1-ethyl-2-methylpyrrolidine	CCN1CCCC1C
pyridin-4-ylmethanol	OCc1ccncc1
triethylamine	CCN(CC)CC
4-hydroxy-2-oxobut-3-enoic acid	C(O)=CC(=O)C(=O)O
isonicotinaldehyde	C(=O)c1ccncc1
1,1,1-trifluoroethane	CC(F)(F)F
isothiocyanic acid	N=C=S
phosphonic acid	P(=O)(O)O

2-hydroxy-4-oxobut-2-enoic acid	C(=O)C=C(O)C(=O)O
N,N-dimethylpiperidin-4-amine	CN(C)C1CCNCC1
1-(pyridin-2-yl)piperazine	N1CCN(c2ccccn2)CC1

C.9: BRAF Kinase Inhibitors

imidazole	C1=CN=CN1
pyrazole-1-ethanol	OCCN1N=CC=C1
acetonitrile	C#N
2-(tert-butyl)thiazole	CC(C)(C)C1=NC=CS1
pyridine	C1=CC=NC=C1
1-isopropyl-pyrazole	CC(C)N1N=CC=C1
isoindoline	C12=CC=CC=C1CNC2
pyrrolopyridine	C12=CC=CN=C1C=CN2
1H-pyrrolo[2,3-b]pyridine	C12=NC=CC=C1C=CN2
pyrimidine	C1=CN=CN=C1
3,4-dihydroquinazoline	C12=CC=CC=C1CNC=N2
1,3,8-Triazanaphthalene	C12=NC=CC=C1C=NC=N2
benzothiazole	C1(SC=N2)=C2C=CC=C1
3,4-dihydropyrido[2,3-b]pyrazine	C12=NC=CC=C1N=CCN2
morpholine	C1COCCN1
2-aminopyrimidine	NC1=NC=CC=N1
benzoimidazole	C12=CC=CC=C1N=CN2
pyridinyl imidazole	C1(C2=NC=CN2)=CC=CC=N1
quinazoline	C12=NC=NC=C1C=CC=C2
benzene	C1=CC=CC=C1
1-methyleneindan	C=C1CCC2=C1C=CC=C2
toluene	CC1=CC=CC=C1
fluorobenzene	FC1=CC=CC=C1
methyl(phenyl)sulfane	CSC1=CC=CC=C1
2-methylpyridine	CC1=CC=CC=N1
1a,6b-dihydro-1H-cyclopropa[b]benzofuran	C12=CC=CC=C1OC3C2C3
1,2,3,4-tetrahydronaphthalene	C12=CC=CC=C1CCCC2

1,3-difluorobenzene	FC1=CC(F)=CC=C1
1-chloro-4-fluorobenzene	FC1=CC=C(Cl)C=C1
sulfonylpropane	O=S(CCC)=O
methanesulfonamide	O=S(C)(N)=O
1,3-difluoro-2-sulfonylbenzene	O=S(C1=C(F)C=CC=C1F)=O
N-ethyl-N-methylsulfonic amide	O=S(N(CC)C)=O
propanesulfonamide	O=S(CCC)(N)=O
1-hydrosulfonylpyrrolidine	O=S(N1CCCC1)=O
prop-2-yn-1-ylbenzene	C#CCC1=CC=CC=C1
neohexane	CCC(C)(C)C
(trifluoromethyl)benzene	FC(F)(F)C1=CC=CC=C1
3-chloro-4-(trifluoromethyl)pyridine	ClC1=CN=CC=C1C(F)(F)F
1-phenyl-1H-pyrazole	C1(N2N=CC=C2)=CC=CC=C1
4-(trifluoromethyl)pyridine	FC(F)(F)C1=CC=NC=C1
2-phenylpropan-2-amine	CC(C)(N)C1=CC=CC=C1
6-methyl-1H-benzoimidazole	CC1=CC=C(N=CN2)C2=C1
5-(1,1,1-trifluoro-2-methylpropan-2-yl)isoxazole	CC(C(F)(F)F)(C)C1=CC=NO1
N,N-dimethyl-2-phenoxyethan-1-amine	CN(C)CCOC1=CC=CC=C1
cyclopropanecarboxamide	O=C(N)C1CC1
chlorobenzene	ClC1=CC=CC=C1
methyl tert-butylcarbamate	COC(NC(C)(C)C)=O
tetrahydro-2H-pyran	C1CCCCO1
2-cyclopropylpyrimidine	C1(C2CC2)=NC=CC=N1
1-ethylpiperidine	CCN1CCCCC1

C.10: Privileged Kinase Inhibitors

indole	C12=CC=CC=C1C=CN2
quinoline	C12=CC=CC=C1C=CC=N2
phenylpiperazine	C1(N2CCNCC2)=CC=CC=C1
biphenyl	C1(C2=CC=CC=C2)=CC=CC=C1

benzimidazole	C12=CC=CC=C1NC=N2
quinazoline	C12=CC=CC=C1C=NC=N2
purine	C12=NC=NC=C1NC=N2
indoline	C12=CC=CC=C1CCN2
isoquinoline	C12=CC=CC=C1C=NC=C2
benzylpiperidine	N1(CC2=CC=CC=C2)CCCCC1
aminopyridazine	NC1=CC=CN=N1
4-phenylpiperidine	C1(C2CCNCC2)=CC=CC=C1
chromone	O=C1C=COC2=CC=CC=C21
4-hydroxyquinazoline	O=C1NC=NC2=CC=CC=C21
benzothiophene	C12=CC=CC=C1SC=C2
benzofuran	C12=CC=CC=C1OC=C2
quinoxaline	C12=CC=CC=C1N=CC=N2
benzo[d]oxazole	C12=CC=CC=C1OC=N2
1,2,3,4-tetrahydroisoquinoline	C12=CC=CC=C1CCNC2
thiazolidine-2,4-dione	O=C(N1)SCC1=O
1,2,3,4-tetrahydroquinoline	C12=CC=CC=C1CCCN2
2H-chromen-2-one	O=C1OC2=CC=CC=C2C=C1
1-(piperidin-4-yl)-1,3-dihydro-2H-benzo[d]imidazol-2-one	O=C1N(C2CCNCC2)C3=CC=CC=C3N1
5H-dibenzo[b,e][1,4]diazepine	C1(C=CC=C2)=C2NC(C=CC=C3)=C3C=N1
3,4-dihydropyrimidin-2(1H)-one	O=C1NC=CCN1
3,4-dihydropyrimidine-2(1H)-thione	S=C1NC=CCN1
6-(hydroxymethyl)tetrahydro-2H-pyran-2,3,4,5-tetraol	OCC1OC(O)C(O)C(O)C1O
1-phenyl-1,3,8-triazaspiro[4.5]decan-4-one	O=C(NC1)C2(CCNCC2)N1C3=CC=CC=C3
1,4-dihydropyridine	C1=CNC=CC1
2-(tetrazol-5-yl)biphenyl	C1(C2=CC=CC=C2C3=NN=NN3)=CC=CC=C1

C.11: Common Organic Solvents

acetic acid	CC(=O)O
acetone	CC(=O)C

acetonitrile	CC#N
benzene	C1=CC=CC=C1
tert-butyl alcohol	CC(C)(C)O
tert-butyl methyl ether	CC(C)(C)OC
butylated hydroxytoluene	CC1=CC(=C(C(=C1)C(C)(C)C)O)C(C)(C)C
chloroform	C(Cl)(Cl)Cl
18-crown-6	C1COCCOCCOCCOCCOCCO1
cyclohexane	C1CCCCC1
1,2-dichloroethane	C(CCl)Cl
dichloromethane	C(Cl)Cl
diethyl ether	CCOCC
diglyme	COCCOCCOC
1,2-dimethoxyethane	COCCOC
dimethylacetamide	CC(=O)N(C)C
dimethylformamide	CN(C)C=O
dimethyl sulfoxide	CS(=O)C
dioxane	C1COCCO1
ethanol	CCO
ethyl acetate	CCOC(=O)C
ethyl methyl ketone	CCC(=O)C
ethylene	C=C
ethylene glycol	C(CO)O
grease	C(C(F)(F)F)OCC(F)(F)F
n-hexane	CCCCCC
hexamethylbenzene	CC1=C(C(=C(C(=C1C)C)C)C)C
hexamethylphosphoramide	CN(C)P(=O)(N(C)C)N(C)C
hexamethyldisiloxane	O([Si](C)(C)C)[Si](C)(C)C
methanol	CO
nitromethane	C[N+](=O)[O-]
n-pentane	CCCCC
propylene	CC=C
2-propanol	CC(C)O
pyridine	C1=CC=NC=C1
pyrrole	C1=CNC=C1

pyrrolidine	C1CCNC1
silicon grease	C[Si](C)(C)O[Si](C)(C)O[Si](C)(C)O[Si](C)(C)O[Si](C)(C)O[Si](C)(C)O[Si](C)(C)O[Si](C)(C)O[Si](C)(C)O[Si](C)(C)O[Si](C)(C)O[Si](C)(C)O[Si](C)(C)C
tetrahydrofuran	C1CCOC1
toluene	CC1=CC=CC=C1
triethylamine	CCN(CC)CC

C.12: Amino Acid Protecting Groups

tert-butyloxycarbonyl	O=COC(C)(C)C
trityl	C(C1=CC=CC=C1)(C2=CC=CC=C2)C3=CC=CC=C3
3,5-dimethoxyphenylisoproxycarbonyl	COC1=CC(C(C)(OC=O)C)=CC(OC)=C1
2-(4-biphenyl)isopropoxycarbonyl	CC(C)(OC=O)C(C=C1)=CC=C1C2=CC=CC=C2
2-nitrophenylsulfenyl	SC1=CC=CC=C1[N+]([O-])=O
boc	O=COC(C)(C)C
trt	C(C1=CC=CC=C1)(C2=CC=CC=C2)C3=CC=CC=C3
ddz	COC1=CC(C(C)(OC=O)C)=CC(OC)=C1
bpoc	CC(C)(OC=O)C(C=C1)=CC=C1C2=CC=CC=C2
nps	SC1=CC=CC=C1[N+]([O-])=O
9-fluorenylmethoxycarbonyl	O=COCC1C2=C(C3=C1C=CC=C3)C=CC=C2
2-(4-nitrophenylsulfonyl)ethoxycarbonyl	O=COCCS(=O)(C1=CC=C([N+]([O-])=O)C=C1)=O
(1,1-dioxobenzo[b]thiophene-2-yl) methyloxycarbonyl	O=COCC1=CC2=CC=CC=C2S1(=O)=O
(1,1-dioxonaptho[1,2-b]thiophene-2-yl)methyloxycarbonyl	O=COCC1=CC2=CC=C3C=CC=CC3=C2S1(=O)=O
1-(4,4-dimethyl-2,6-dioxocyclohex-1-ylidene)-3-methylbutyl	CC(C)C/C=C1C(CC(C)(C)CC\1=O)=O
2,7-di-tert-butyl-fmoc	CC1=CC(C2COC=O)=C(C=C1)C3=C2C=C(C(C)(C)C)C=C3

2-fluoro-fmoc	FC1=CC2=C(C(C=CC=C3)=C3C2COC=O)C=C1
2-monoisooctyl-fmoc	O=COCC1C2=C(C=CC=C2)C3=C1C=C(C(CCCCCCC)=O)C=C3
2,7-diisooctyl-fmoc	O=COCC1C2=C(C=CC(C(CCCCCCC)=O)=C2)C3=C1C=C(C(CCCCCCC)=O)C=C3
tetrachlorophthaloyl	O=CC1=C(Cl)C(Cl)=C(Cl)C(Cl)=C1C=O
2-[phenyl(methyl)sulfonio])ethyloxycarbonyltetrafluoroborate	C[S+](CCOC=O)C1=CC=CC=C1
ethanesulfonylethoxycarbonyl	O=COC(S(=O)(CC)=O)C
2-(4-sulfophenylsulfonyl)ethoxycarbonyl	O=COCCS(=O)(C1=CC=C(S(=O)(O)=O)C=C1)=O
fmoc	O=COCC1C2=C(C3=C1C=CC=C3)C=CC=C2
nsc	O=COCCS(=O)(C1=CC=C([N+]([O-])=O)C=C1)=O
bsmoc	O=COCC1=CC2=CC=CC=C2S1(=O)=O
alpha-nsmoc	O=COCC1=CC2=CC=C3C=CC=CC3=C2S1(=O)=O
ivdde	CC(C)C/C=C1C(CC(C)(C)CC\1=O)=O
fmoc*	CC1=CC(C2COC=O)=C(C=C1)C3=C2C=C(C(C)(C)C)C=C3
fmoc(fmoc(2f))	FC1=CC2=C(C(C=CC=C3)=C3C2COC=O)C=C1
mio-fmoc	O=COCC1C2=C(C=CC=C2)C3=C1C=C(C(CCCCCCC)=O)C=C3
dio-fmoc	O=COCC1C2=C(C=CC(C(CCCCCCC)=O)=C2)C3=C1C=C(C(CCCCCCC)=O)C=C3
tcp	O=CC1=C(Cl)C(Cl)=C(Cl)C(Cl)=C1C=O
pms	C[S+](CCOC=O)C1=CC=CC=C1
esc	O=COC(S(=O)(CC)=O)C
sps	O=COCCS(=O)(C1=CC=C(S(=O)(O)=O)C=C1)=O
benzyloxycarbonyl	O=COCC1=CC=CC=C1
allyloxycarbonyl	O=COCC=C
o-nitrobenzenesulfonyl	O=S(C1=CC=CC=C1[N+]([O-])=O)=O
2,4-dinitrobenzenesulfonyl	O=S(C1=CC=C([N+]([O-])=O)C=C1[N+]([O-])=O)=O
benzothiazole-2-sulfonyl	O=S(C1=NC2=CC=CC=C2S1)=O
2,2,2-trichloroethyloxycarbonyl	O=COCC(Cl)(Cl)Cl
dithiasuccinoyl	O=CSS[C]=O
p-nitrobenzyloxycarbonyl	O=COCC1=CC=C([N+]([O-])=O)C=C1

alpha-azidoacids	[N-]=[N+]=NCC(O)=O
proparglyoxycarbonyl	C#COC(C)=O
o-nitrobenzylcarbonyl	O=CCC1=CC=CC=C1[N+]([O-])=O
4-nitroveratryloxycarbonyl	O=COCC1=C([N+]([O-])=O)C=C(OC)C(OC)=C1
2-(2-nitrophenyl)propyloxycarbonyl	O=COCC(C1=CC=CC=C1[N+]([O-])=O)C
2-(3,4-methylenedioxy-6-nitrophenyl)propyloxycarbonyl	O=COCC(C1=CC(OCO2)=C2C=C1[N+]([O-])=O)C
9-(4-bromophenyl)-9-fluorenyl	BrC1=CC=C(C2C3=C(C4=C2C=CC=C4)C=CC=C3)C=C1
azidomethoxycarbonyl	O=COCN=[N+]=[N-]
hexafluoroacetone	O=C1OC(C(C(F)(F)F)C(F)(F)F)NC1
Z	O=COCC1=CC=CC=C1
alloc	O=COCC=C
o-nbs	O=S(C1=CC=CC=C1[N+]([O-])=O)=O
d-nbs	O=S(C1=CC=C([N+]([O-])=O)C=C1[N+]([O-])=O)=O
bts	O=S(C1=NC2=CC=CC=C2S1)=O
troc	O=COCC(Cl)(Cl)Cl
dts	O=CSS[C]=O
pnz	O=COCC1=CC=C([N+]([O-])=O)C=C1
poc	C#COC(C)=O
onz	O=CCC1=CC=CC=C1[N+]([O-])=O
nvoc	O=COCC1=C([N+]([O-])=O)C=C(OC)C(OC)=C1
nppoc	O=COCC(C1=CC=CC=C1[N+]([O-])=O)C
mnppoc	O=COCC(C1=CC(OCO2)=C2C=C1[N+]([O-])=O)C
brphf	BrC1=CC=C(C2C3=C(C4=C2C=CC=C4)C=CC=C3)C=C1
azoc	O=COCN=[N+]=[N-]
hfa	O=C1OC(C(C(F)(F)F)C(F)(F)F)NC1
2-chlorobenzyloxycarbonyl	O=COCC1=CC=CC=C1Cl
4-methyltrityl	CC1=CC=C(C(C2=CC=CC=C2)C3=CC=CC=C3)C=C1
cl-z	O=COCC1=CC=CC=C1Cl

mtt	CC1=CC=C(C(C2=CC=CC=C2)C3=CC=CC=C3)C=C1
1-(4,4-dimethyl-2,6-dioxocylohex-1-ylidene)-3-methylbutyl	O=C1/C(C(CC(C)C1)=O)=C\CC(C)C
trifluoroacetyl	O=CC(F)(F)F
2-(methylsulfonyl)ethoxycarbonyl	O=COCCS(=O)(C)=O
tfa	O=CC(F)(F)F
msc	O=COCCS(=O)(C)=O
phenyldisulphanylethyloxycarbonyl	O=COC(SSC1=CC=CC=C1)C
2-pyridyldisulphanylethyloxycarbonyl	O=COC(SSC1=NC=CC=C1)C
phdec	O=COC(SSC1=CC=CC=C1)C
pydec	O=COC(SSC1=NC=CC=C1)C
tert-butyl	CC(C)C
2-chlorotrityl	ClC1=CC=CC=C1C(C2=CC=CC=C2)C3=CC=CC=C3
2-4-dimethyoxybenzyl	CC1=CC(OC)=CC(OC)=C1
2-phenylisopropyl	CC(C)C1=CC=CC=C1
5-phenyl-3,4-ethylenedioxythenyl	CC1=C(OCCO2)C2=C(S1)C3=CC=CC=C3
bu	CC(C)C
2-cl-trt	ClC1=CC=CC=C1C(C2=CC=CC=C2)C3=CC=CC=C3
dmb	CC1=CC(OC)=CC(OC)=C1
2-ph-pr	CC(C)C1=CC=CC=C1
phenyl-edotn	CC1=C(OCCO2)C2=C(S1)C3=CC=CC=C3
9-fluorenylmethyl	CC1C2=C(C3=C1C=CC=C3)C=CC=C2
4-(N-[1-(4,4-dimethyl-2,6-dioxocylocheylidene)-3-methylbutyl]-amino)benzyl	CC(CC(/C1=C(NC2=CC=C(C)C=C2)/CC(C)C)=O)(C)CC1=O
methyl	C
ethyl	CC
carbamoylmethyl	CC(N)=O
fm	CC1C2=C(C3=C1C=CC=C3)C=CC=C2
dmab	CC(CC(/C1=C(NC2=CC=C(C)C=C2)/CC(C)C)=O)(C)CC1=O
me	C
et	CC
cam	CC(N)=O
allyl	CC=C

benzyl	CC1=CC=CC=C1
phenacyl	CC(C1=CC=CC=C1)=O
p-nitrobenzyl	CC1=CC=C([N+]([O-])=O)C=C1
2-trimethylsilyethyl	CCC[Si](C)(C)C
(2-phenyl-2-trimethylsilyl)ethyl	CC(C1=CC=CC=C1)[Si](C)(C)C
2-(trimethylsilyl)isopropyl	CC(C)([Si](C)(C)C)C
2,2,2-trichloroethyl	CC(Cl)(Cl)Cl
p-hydroxyphenacyl	CC(C1=CC=C(O)C=C1)=O
4,5-dimethyoxy-2-nitrobenzyl	CC1=CC(OC)=C(OC)C=C1[N+]([O-])=O
1,1-dimethylallyl	C=CC(C)C
pentaaminecobalt_III	N[Co](N)(N)(N)(Cl)(Cl)N
al	CC=C
bn	CC1=CC=CC=C1
pac	CC(C1=CC=CC=C1)=O
pnb	CC1=CC=C([N+]([O-])=O)C=C1
tmse	CCC[Si](C)(C)C
ptmse	CC(C1=CC=CC=C1)[Si](C)(C)C
tmsi	CC(C)([Si](C)(C)C)C
tce	CC(Cl)(Cl)Cl
php	CC(C1=CC=C(O)C=C1)=O
dmnb	CC1=CC(OC)=C(OC)C=C1[N+]([O-])=O
dma	C=CC(C)C
cyclohexyl	C1CCCCC1
b-menthyl	C[C@H]1[C@H](C(C)C)CC[C@@H](C)C1
b-3-methylpent-3-yl	CCC(C)CC
4-(3,6,9-trioxadecyl)oxybenzyl	CC1=CC=C(OCCOCCOCCOC)C=C1
chx	C1CCCCC1
men	C[CH]1[CH](C(C)C)CC[CH](C)C1
mpe	CCC(C)CC
tegbz	CC1=CC=C(OCCOCCOCCOC)C=C1
9-fluoroenylmethyl	CC1C2=C(C3=C1C=CC=C3)C=CC=C2
4-(N-[1-(4,4-dimethyl-2,6-dioxocyclohexylidene)-3-methyl-butyl]-amino)benzyl	CC(CC(/C1=C(NC2=CC=C(C)C=C2)/CC(C)C)=O)(C)CC1=O

trimethylsilylethyl	CCC[Si](C)(C)C
4,5-dimethoxy-2-nitrobenzyloxycarbonyl	CC1=CC(OC)=C(OC)C=C1[N+]([O-])=O
pseudoprolines	CC1(C)NC(C(O)=O)CO1
2-hydroxy-4-methoxybenzyl	CC1=CC=C(OC)C=C1O
2,4-dimethoxybenzyl	CC1=CC=C(OC)C=C1OC
2,4,6-trimethoxybenzyl	CC1=C(OC)C=C(OC)C=C1OC
1-methyl-3-indolylmethyl	CCC1=CNC2=C1C=CC=C2
3,4-ethylene-dioxy-2-thenyl	CC1=C(OCCO2)C2=CS1
hmb	CC1=CC=C(OC)C=C1O
tmob	CC1=C(OC)C=C(OC)C=C1OC
mim	CCC1=CNC2=C1C=CC=C2
edot	CC1=C(OCCO2)C2=CS1
4-methoxy-2-nitro-benzyl	CC1=CC=C(OC)C=C1[N+]([O-])=O
(6-hydroxy-3-oxido-1,3-benz[d]oxathiol-5-yl)methyl	O=S1COC2=C1C=C(C)C(O)=C2
2-hydroxy-4-methoxy-5-(methylsulfinyl)benzyl	CC1=CC(S(C)=O)=C(OC)C=C1O
n-boc-n-methyl[2-(methylamino)ethyl]carbamoyl-hmb	CC(C)(OC(N(CCN(C(OC1=CC(OC)=CC=C1)=O)C)C)=O)C
9-xanthenyl	C1(CC2=C(C=CC=C2)O3)=C3C=CC=C1
cyclopropyldimethylcarbinyl	CC(C1CC1)C
4,4-dimethoxybenzhydryl	COC1=CC=C(C=C1)CC2=CC=C(OC)C=C2
xan	C1(CC2=C(C=CC=C2)O3)=C3C=CC=C1
cpd	CC(C1CC1)C
mbh	COC1=CC=C(C=C1)CC2=CC=C(OC)C=C2
p-toluenesulfonyl	O=S(C1=CC=C(C)C=C1)=O
2,2,5,7,8-pentamethylchroman-6-sulfonyl	O=S(C1=C(C)C(CCC(C)(C)O2)=C2C(C)=C1C)=O
2,2,4,6,7-pentamethyl-2,3-dihydrobenzofuran-5-sulfonyl	O=S(C1=C(C)C(C)=C(OC(C)(C)C2)C2=C1C)=O
mesityl-2-sulfonyl	CC1=C(S(=O)(NC(N)=N)=O)C(C)=CC(C)=C1
4-methoxy-2,3,6-trimethylphenylsulfonyl	O=S(C1=C(C)C=C(OC)C(C)=C1C)=O
1,2-dimethylindole-3-sulfonyl	O=S(C1=C(C)N(C)C2=C1C=CC=C2)=O

w,w-bis-tert-butyloxycarbonyl	CC(C)(OC(/N=C(NC(OC(C)(C)C)=O)\N)=O)C
5-dibenzosuberenyl	C12=CC=CC=C1CCC3C=CC=CC3=C2
5-dibenzosuberyl	C12=CC=CC=C1CCC3=C(C=CC=C3)C2
2-methoxy-5-dibenzosuberyl	COC(C=C1CC2)=CC=C1CC3=C2C=CC=C3
nitro	O=[N+][O-]
tos	O=S(C1=CC=C(C)C=C1)=O
pmc	O=S(C1=C(C)C(CCC(C)(C)O2)=C2C(C)=C1C)=O
pbf	O=S(C1=C(C)C(C)=C(OC(C)(C)C2)C2=C1C)=O
mts	CC1=C(S(=O)(NC(N)=N)=O)C(C)=CC(C)=C1
mtr	O=S(C1=C(C)C=C(OC)C(C)=C1C)=O
mis	O=S(C1=C(C)N(C)C2=C1C=CC=C2)=O
bis-boc	CC(C)(OC(/N=C(NC(OC(C)(C)C)=O)\N)=O)C
suben	C12=CC=CC=C1CCC3C=CC=CC3=C2
sub	C12=CC=CC=C1CCC3=C(C=CC=C3)C2
mesub	COC(C=C1CC2)=CC=C1CC3=C2C=CC=C3
no2	O=[N+][O-]
w,w-bis-benzyloxycarbonyl	O=C(/N=C(NC(OCC1=CC=CC=C1)=O)\N)OCC2=CC=CC=C2
w,w-bis-allyloxycarbonyl	O=C(/N=C(NC(OCC=C)=O)\N)OCC=C
z	O=C(/N=C(NC(OCC1=CC=CC=C1)=O)\N)OCC2=CC=CC=C2
p-methylbenzyl	CC1=CC=C(C)C=C1
p-methoxybenzyl	CC1=CC=C(OC)C=C1
monomethoxytrityl	COC1=CC=C(C(C2=CC=CC=C2)C3=CC=CC=C3)C=C1
trimethoxybenzyl	CC1=C(OC)C=C(OC)C=C1OC
2,2,4,6,7-pentamethyl-5-dihydrobenzofuranylmethyl	CC1=C(C)C(C)=C(OC(C)(C)C2)C2=C1C
1-adamantyl	C12CC3CC(C2)CC(C3)C1
meb	CC1=CC=C(C)C=C1
mob	CC1=CC=C(OC)C=C1
mmt	COC1=CC=C(C(C2=CC=CC=C2)C3=CC=CC=C3)C=C1
pmbf	CC1=C(C)C(C)=C(OC(C)(C)C2)C2=C1C
1-ada	C12CC3CC(C2)CC(C3)C1

2-(2,4-dinitrophenyl)ethyl	CCC1=CC=C([N+]([O-])=O)C=C1[N+]([O-])=O
9-fluororenylmethoxycarbonyl	O=COCC1C2=C(C3=C1C=CC=C3)C=CC=C2
dnpe	CCC1=CC=C([N+]([O-])=O)C=C1[N+]([O-])=O
acetamidomethyl	CNC(C)=O
phenylacetamidomethyl	CNC(CC1=CC=CC=C1)=O
5-tert-butylmercapto	CC(C)(S)C
3-nitro-2-pyridinesulfenyl	SC1=NC=CC=C1[N+]([O-])=O
2-pyridinesulfenyl	SC1=NC=CC=C1
N-allyloxycarbonyl-N-[2,3,5,6-tetrafluoro-4-(phenylthio)phenyl]]aminomethyl	FC1=C(F)C(SC2=CC=CC=C2)=C(F)C(F)=C1N(C(OCC=C)=O)C
o-nitrobenzyl	CC1=CC=CC=C1[N+]([O-])=O
4-picolyl	CC1=CC=NC=C1
ninhydrin	O=C1C2(SCC(C(O)=O)N2)C(C3=C1C=CC=C3)=O
acm	CNC(C)=O
phacm	CNC(CC1=CC=CC=C1)=O
sbu	CC(C)(S)C
npys	SC1=NC=CC=C1[N+]([O-])=O
s-pyr	SC1=NC=CC=C1
fsam	FC1=C(F)C(SC2=CC=CC=C2)=C(F)C(F)=C1N(C(OCC=C)=O)C
onb	CC1=CC=CC=C1[N+]([O-])=O
nin	O=C1C2(SCC(C(O)=O)N2)C(C3=C1C=CC=C3)=O
n-tosyl	O=S(N1C=CN=C1)(C2=CC=C(C)C=C2)=O
n-trityl	N1(C(C2=CC=CC=C2)(C3=CC=CC=C3)C4=CC=CC=C4)C=CN=C1
n-monomethoxytrityl	COC(C=C1)=CC=C1C(C2=CC=CC=C2)(C3=CC=CC=C3)N4C=CN=C4
n-methyltrityl	CC(C=C1)=CC=C1C(C2=CC=CC=C2)(C3=CC=CC=C3)N4C=CN=C4
n-tert-butyloxycarbonyl	O=C(OC(C)(C)C)N1C=CN=C1
n-2,4-dimethylpent-3-yloxycarbonyl	O=C(OC(C(C)C)C(C)C)N1C=CN=C1
n-benzyloxymethyl	[N+]1(COCC2=CC=CC=C2)=CNC=C1
n-tert-butoxymethyl	CC(C)(C)OC[N+]1=CNC=C1
ntos	O=S(N1C=CN=C1)(C2=CC=C(C)C=C2)=O

ntrt	N1(C(C2=CC=CC=C2)(C3=CC=CC=C3)C4=CC=CC=C4)C=CN=C1
nmtt	COC(C=C1)=CC=C1C(C2=CC=CC=C2)(C3=CC=CC=C3)N4C=CN=C4
nmmt	CC(C=C1)=CC=C1C(C2=CC=CC=C2)(C3=CC=CC=C3)N4C=CN=C4
nboc	O=C(OC(C)(C)C)N1C=CN=C1
ndoc	O=C(OC(C(C)C)C(C)C)N1C=CN=C1
nbom	[N+]1(COCC2=CC=CC=C2)=CNC=C1
nbum	CC(C)(C)OC[N+]1=CNC=C1
N-9-fluorenylmethoxycarbonyl	O=C(OC1C(C=CC=C2)=C2C3=C1C=CC=C3)N4C=CN=C4
2,6-dimethoxybenzoyl	O=C(C1=C(OC)C=CC=C1OC)N2C=CN=C2
dmbz	O=C(C1=C(OC)C=CC=C1OC)N2C=CN=C2
N-2,4-dinitrophenyl	O=C(C1=C([N+]([O-])=O)C=C([N+]([O-])=O)C=C1)N2C=CN=C2
dnp	O=C(C1=C([N+]([O-])=O)C=C([N+]([O-])=O)C=C1)N2C=CN=C2
cyclohexyl;	C1CCCCC1
tert-butyldimethylsilyl	CSi(C(C)(C)C)C
tbdms	C[Si](C(C)(C)C)C
tert-butyldiphenylsilyl	CC(Si(C1=CC=CC=C1)C2=CC=CC=C2)(C)C
propargyloxycarbonyl	C#COC(C)=O
tbdps	CC([Si](C1=CC=CC=C1)C2=CC=CC=C2)(C)C
dcb	CC1=C(Cl)C=CC=C1Cl
brbn	CC1=CC=CC=C1Br
brz	O=COCC1=CC=CC=C1Br
pen	CCCCC
tegb	CC1=CC=C(OCCOCCOCCOC)C=C1
boc-n-methyl-n-[2-(methylamino)ethyl]carbamoyl	O=C(C(OC(C)(C)C)=O)N(C)CCNC
boc-nmec	O=C(C(OC(C)(C)C)=O)N(C)CCNC
formyl	C=O
cyclohexyloxycarbonyl	O=COC1CCCCC1

for	C=O
hoc	O=COC1CCCCC1

Section D: Narcotics

D.1: U.S Schedule One Narcotics

acetyl-alpha-methylfentanyl	CC(CC1=CC=CC=C1)N2CCC(CC2)N(C3=CC=CC=C3)C(=O)C
acetylmethadol	CCC(C(CC(C)N(C)C)(C1=CC=CC=C1)C2=CC=CC=C2)OC(=O)C
acetylfentanyl	CC(=O)N(C1CCN(CC1)CCC2=CC=CC=C2)C3=CC=CC=C3
acrylfentanyl	C=CC(=O)N(C1CCN(CC1)CCC2=CC=CC=C2)C3=CC=CC=C3
ah-7921	ClC1=CC=C(C(NCC2(CCCCC2)N(C)C)=O)C=C1Cl
allylprodine	CCC(=O)OC1(CCN(CC1CC=C)C)C2=CC=CC=C2
alphaacetylmethadol	CCC(C(CC(C)N(C)C)(C1=CC=CC=C1)C2=CC=CC=C2)OC(=O)C
alphameprodine	CCC1CN(CCC1(C2=CC=CC=C2)OC(=O)CC)C
alphamethadol	CCC(C(CC(C)N(C)C)(C1=CC=CC=C1)C2=CC=CC=C2)O
alpha-methylfentanyl	O=C(N(c1ccccc1)C3CCN(C(Cc2ccccc2)C)CC3)CC
alpha-methylthiofentanyl	CCC(=O)N(C1CCN(CC1)C(C)CC2=CC=CS2)C3=CC=CC=C3
benzethidine	CCOC(=O)C1(CCN(CC1)CCOCC2=CC=CC=C2)C3=CC=CC=C3
betacetylmethadol	CCC(C(CC(C)N(C)C)(C1=CC=CC=C1)C2=CC=CC=C2)OC(=O)C
beta-hydroxyfentanyl	CCC(=O)N(C1CCN(CC1)CC(C2=CC=CC=C2)O)C3=CC=CC=C3
beta-hydroxy-3-methylfentanyl	CCC(=O)N(C1CCN(CC1C)CC(C2=CC=CC=C2)O)C3=CC=CC=C3
beta-hydroxythiofentanyl	CCC(=O)N(C1CCN(CC1)CC(C2=CC=CS2)O)C3=CC=CC=C3
betameprodine	CCC1CN(CCC1(C2=CC=CC=C2)OC(=O)CC)C
betamethadol	CCC(C(CC(C)N(C)C)(C1=CC=CC=C1)C2=CC=CC=C2)O
beta-methylfentanyl	CCC(=O)N(C1CCN(CC1)CC(C)C2=CC=CC=C2)C3=CC=CC=C3
beta′-phenylfentanyl	O=C(CCC1=CC=CC=C1)N(C2CCN(CCC3=CC=CC=C3)CC2)C4=CC=CC=C4

betaprodine	CCC(=O)OC1(CCN(CC1C)C)C2=CC=CC=C2
butyrylfentanyl	CCCC(=O)N(C2CCN(CCc1ccccc1)CC2)c3ccccc3
clonitazene	CCN(CC)CCN1C2=C(C=C(C=C2)[N+](=O)[O-])N=C1CC3=CC=C(C=C3)Cl
crotonylfentanyl	CC=CC(=O)N(C1CCN(CC1)CCC2=CC=CC=C2)C3=CC=CC=C3
cyclopentylfentanyl	C1CCC(C1)C(=O)N(C2CCN(CC2)CCC3=CC=CC=C3)C4=CC=CC=C4
cyclopropylfentanyl	C1CC1C(=O)N(C2CCN(CC2)CCC3=CC=CC=C3)C4=CC=CC=C4
dextromoramide	CC(CN1CCOCC1)C(C2=CC=CC=C2)(C3=CC=CC=C3)C(=O)N4CCCC4
diampromide	CCC(=O)N(CC(C)N(C)CCC1=CC=CC=C1)C2=CC=CC=C2
diethylthiambutene	CCN(CC)C(C)C=C(C1=CC=CS1)C2=CC=CS2
difenoxin	C1CN(CCC1(C2=CC=CC=C2)C(=O)O)CCC(C#N)(C3=CC=CC=C3)C4=CC=CC=C4
dimenoxadol	CCOC(C1=CC=CC=C1)(C2=CC=CC=C2)C(=O)OCCN(C)C
dimepheptanol	CCC(C(CC(C)N(C)C)(C1=CC=CC=C1)C2=CC=CC=C2)O
dimethylthiambutene	CC(C=C(C1=CC=CS1)C2=CC=CS2)N(C)C
dioxaphetylbutyrate	CCOC(=O)C(CCN1CCOCC1)(c1ccccc1)c1ccccc1
dipipanone	CCC(=O)C(CC(C)N1CCCCC1)(C2=CC=CC=C2)C3=CC=CC=C3
ethylmethylthiambutene	CCN(C)C(C)C=C(C1=CC=CS1)C2=CC=CS2
etonitazene	CCN(CC)CCN1C2=C(C=C(C=C2)[N+](=O)[O-])N=C1CC3=CC=C(C=C3)OCC
etoxeridine	CCOC(=O)C1(CCN(CC1)CCOCCO)C2=CC=CC=C2
fentanylcarbamate	O=C(N(C1=CC=CC=C1)C2CCN(CCC3=CC=CC=C3)CC2)OCC
4-fluoroisobutyrylfentanyl	CC(C)C(=O)N(C1CCN(CC1)CCC2=CC=CC=C2)C3=CC=C(C=C3)F
2′-fluoroortho-fluorofentanyl	O=C(CC)N(C1CCN(CCC2=CC=CC=C2F)CC1)C3=C(F)C=CC=C3
furanylfentanyl	C1CN(CCC1N(C2=CC=CC=C2)C(=O)C3=CC=CO3)CCC4=CC=CC=C4
furethidine	CCOC(=O)C1(CCN(CC1)CCOCC2CCCO2)C3=CC=CC=C3
hydroxypethidine	CCOC(=O)C1(CCN(CC1)C)C2=CC(=CC=C2)O
isobutyrylfentanyl	CC(C)C(=O)N(C1CCN(CC1)CCC2=CC=CC=C2)C3=CC=CC=C3
isotonitazene	CCN(CC)CCN1C(CC2=CC=C(OC(C)C)C=C2)=NC3=CC([N+]([O-])=O)=CC=C31

ketobemidone	CCC(=O)C1(CCN(CC1)C)C2=CC(=CC=C2)O
levomoramide	C[C@@H](CN1CCOCC1)C(c1ccccc1)(c1ccccc1)C(=O)N1CCCC1
levophenacylmorphan	C1CCC23CCN(C(C2C1)CC4=C3C=C(C=C4)O)CC(=O)C5=CC=CC=C5
methoxyacetylfentanyl	c3ccccc3N(C(=O)COC)C1CCN(CC1)CCc2ccccc2
4′-methylacetylfentanyl	CC(N(C1CCN(CCC2=CC=C(C)C=C2)CC1)C3=CC=CC=C3)=O
3-methylfentanyl	CCC(=O)N(C1CCN(CC1C)CCC2=CC=CC=C2)C3=CC=CC=C3
3-methylthiofentanyl	CCC(=O)N(C1CCN(CC1C)CCC2=CC=CS2)C3=CC=CC=C3
morpheridine	CCOC(=O)C1(CCN(CC1)CCN2CCOCC2)C3=CC=CC=C3
mppp	O=C(CC3=CC=CC=C3)N(C(C2=CC=CC=C2)CN1CCCC1)C
mt-45	c3ccccc3CC(c2ccccc2)N(CC1)CCN1C4CCCCC4
noracymethadol	CCC(C(CC(C)NC)(C1=CC=CC=C1)C2=CC=CC=C2)OC(=O)C
norlevorphanol	C1CCC23CCNC(C2C1)CC4=C3C=C(C=C4)O
normethadone	CCC(=O)C(CCN(C)C)(C1=CC=CC=C1)C2=CC=CC=C2
norpipanone	CCC(=O)C(CCN1CCCCC1)(C2=CC=CC=C2)C3=CC=CC=C3
ocfentanil	COCC(=O)N(C1CCN(CC1)CCC2=CC=CC=C2)C3=CC=CC=C3F
ortho-fluoroacrylfentanyl	O=C(N(C1=CC=CC=C1F)C2CCN(CCC3=CC=CC=C3)CC2)C=C
ortho-fluorobutyrylfentanyl	CCCC(=O)N(C1CCN(CC1)CCC2=CC=CC=C2)C3=CC=C(C=C3)F
ortho-fluorofentanyl	CCC(=O)N(C1CCN(CC1)CCC2=CC=CC=C2)C3=CC=CC=C3F
ortho-fluoroisobutyrylfentanyl	CC(C)C(=O)N(C1CCN(CCC2=CC=CC=C2)CC1)C3=C(F)C=CC=C3
ortho-methylacetylfentanyl	CC(N(C1CCN(CCC2=CC=CC=C2)CC1)C3=C(C)C=CC=C3)=O
ortho-methylmethoxyacetylfentanyl	O=C(COC)N(C1CCN(CCC2=CC=CC=C2)CC1)C3=C(C)C=CC=C3
para-chloroisobutyrylfentanyl	O=C(C(C)C)N(C1CCN(CCC2=CC=CC=C2)CC1)C3=CC=C(Cl)C=C3
para-fluorobutyrylfentanyl	C1C(CCN(C1)CCc1ccccc1)N(c1ccc(cc1)F)C(=O)CCC
para-fluorofentanyl	CCC(=O)N(C1CCN(CC1)CCC2=CC=CC=C2)C3=CC=C(C=C3)F
para-fluorofuranylfentanyl	O=C(C1=CC=CO1)N(C2CCN(CCC3=CC=CC=C3)CC2)C4=CC=C(F)C=C4
para-methoxybutyrylfentanyl	O=C(CCC)N(C1CCN(CCC2=CC=CC=C2)CC1)C3=CC=C(OC)C=C3
para-methylfentanyl	O=C(CC)N(C1CCN(CCC2=CC=CC=C2)CC1)C3=CC=C(C)C=C3
pepap	O=C(C)OC1(CCN(CC1)CCC2=CC=CC=C2)C3=CC=CC=C3

phenadoxone	CCC(=O)C(CC(C)N1CCOCC1)(C2=CC=CC=C2)C3=CC=CC=C3
phenampromide	CCC(=O)N(C1=CC=CC=C1)C(C)CN2CCCCC2
phenomorphan	C1CCC23CCN(C(C2C1)CC4=C3C=C(C=C4)O)CCC5=CC=CC=C5
phenoperidine	CCOC(=O)C1(CCN(CC1)CCC(C2=CC=CC=C2)O)C3=CC=CC=C3
phenylfentanyl	O=C(C1=CC=CC=C1)N(C2CCN(CCC3=CC=CC=C3)CC2)C4=CC=CC=C4
piritramide	C1CCN(CC1)C2(CCN(CC2)CCC(C#N)(C3=CC=CC=C3)C4=CC=CC=C4)C(=O)N
proheptazine	CCC(=O)OC1(CCCN(CC1C)C)C2=CC=CC=C2
properidine	CC(C)OC(=O)C1(CCN(CC1)C)C2=CC=CC=C2
propiram	CCC(=O)N(C1=CC=CC=N1)C(C)CN2CCCCC2
racemoramide	CC(CN1CCOCC1)C(C2=CC=CC=C2)(C3=CC=CC=C3)C(=O)N4CCCC4
tetrahydrofuranylfentanyl	C1CC(OC1)C(=O)N(C2CCN(CC2)CCC3=CC=CC=C3)C4=CC=CC=C4
thiofentanyl	CCC(=O)N(C1CCN(CC1)CCC2=CC=CS2)C3=CC=CC=C3
thiofuranylfentanyl	O=C(N(C1CCN(CCC2=CC=CC=C2)CC1)C3=CC=CC=C3)C4=CC=CS4
tilidine	CCOC(=O)C1(CCC=CC1N(C)C)C2=CC=CC=C2
trimeperidine	CCC(=O)OC1(CC(N(CC1C)C)C)C2=CC=CC=C2
pinky	CN(C)C1CCCCC1N(C)C(=O)C2=CC(=C(C=C2)Cl)Cl
valerylfentanyl	CCCCC(=O)N(C1CCN(CC1)CCC2=CC=CC=C2)C3=CC=CC=C3
acetorphine	CCCC(C)(C1CC23C=CC1(C4C25CCN(C3CC6=C5C(=C(C=C6)OC(=O)C)O4)C)OC)O
acetyldihydrocodeine	CC(=O)OC1CCC2C3CC4=C5C2(C1OC5=C(C=C4)OC)CCN3C
benzylmorphine	CN1CCC23C4C1CC5=C2C(=C(C=C5)OCC6=CC=CC=C6)OC3C(C=C4)O
codeinemethylbromide	C[N+]1(CCC23C4C1CC5=C2C(=C(C=C5)OC)OC3C(C=C4)O)C.[Br-]
codeine-n-oxide	C[N+]1(CCC23C4C1CC5=C2C(=C(C=C5)OC)OC3C(C=C4)O)[O-]
cyprenorphine	CC(C)(C1CC23C=CC1(C4C25CCN(C3CC6=C5C(=C(C=C6)O)O4)CC7CC7)OC)O
desomorphine	CN1CCC23C4C1CC5=C2C(=C(C=C5)O)OC3CCC4
dihydromorphine	CN1CCC23C4C1CC5=C2C(=C(C=C5)O)OC3C(CC4)O
drotebanol	CN1CCC23CC(CCC2(C1CC4=C3C(=C(C=C4)OC)OC)O)O

etorphine	CCCC(C)(C1CC23C=CC1(C4C25CCN(C3CC6=C5C(=C(C=C6)O)O4)C)OC)O
heroin	CC(=O)OC1C=CC2C3CC4=C5C2(C1OC5=C(C=C4)OC(=O)C)CCN3C
hydromorphinol	CN1CCC23C4C(CCC2(C1CC5=C3C(=C(C=C5)O)O4)O)O
methyldesorphine	CC1=CCC2C3CC4=C5C2(C1OC5=C(C=C4)O)CCN3C
methyldihydromorphine	CC1(CCC2C3CC4=C5C2(C1OC5=C(C=C4)O)CCN3C)O
morphinemethylbromide	C[N+]1(CCC23C4C1CC5=C2C(=C(C=C5)O)OC3C(C=C4)O)C.[Br-]
morphinemethylsulfonate	CN1CCC23C4C1CC5=C2C(=C(C=C5)OS(=O)(=O)C)OC3C(C=C4)O
morphine-n-oxide	C[N+]1(CCC23C4C1CC5=C2C(=C(C=C5)O)OC3C(C=C4)O)[O-]
myrophine	CCCCCCCCCCCCCC(=O)OC1C=CC2C3CC4=C5C2(C1OC5=C(C=C4)OCC6=CC=CC=C6)CCN3C
nicocodeine	CN1CCC23C4C1CC5=C2C(=C(C=C5)OC)OC3C(C=C4)OC(=O)C6=CN=CC=C6
nicomorphine	CN1CCC23C4C1CC5=C2C(=C(C=C5)OC(=O)C6=CN=CC=C6)OC3C(C=C4)OC(=O)C7=CN=CC=C7
normorphine	C1CNC2CC3=C4C15C2C=CC(C5OC4=C(C=C3)O)O
pholcodine	CN1CCC23C4C1CC5=C2C(=C(C=C5)OCCN6CCOCC6)OC3C(C=C4)O
thebacon	CC(=O)OC1=CCC2C3CC4=C5C2(C1OC5=C(C=C4)OC)CCN3C
alpha-ethyltryptamine	CCC(CC1=CNC2=CC=CC=C21)N
4-bromo-2,5-dimethoxy-amphetamine	CC(CC1=CC(=C(C=C1OC)Br)OC)N
4-bromo-2,5-dimethoxyphenethylamine	COC1=CC(=C(C=C1CCN)OC)Br
2,5-dimethoxyamphetamine	CC(CC1=C(C=CC(=C1)OC)OC)N
2,5-dimethoxy-4-ethylamphet-amine	CCC1=CC(=C(C=C1OC)CC(C)N)OC
2,5-dimethoxy-4-(n)-propylthiophenethylamine	CCCSC1=C(C=C(C(=C1)OC)CCN)OC
4-methoxyamphetamine	CC(CC1=CC=C(C=C1)OC)N
5-methoxy-3,4-methylenedioxy-amphetamine	CC(CC1=CC2=C(C(=C1)OC)OCO2)N
4-methyl-2,5-dimethoxy-amphetamine	CC(CC1=CC(=C(C=C1OC)SC)OC)N
3,4-methylenedioxyamphetamine	CC(CC1=CC2=C(C=C1)OCO2)N

3,4-methylenedioxymethamphetamine	CC(CC1=CC2=C(C=C1)OCO2)NC
3,4-methylenedioxy-n-ethylamphetamine	CCNC(C)CC1=CC2=C(C=C1)OCO2
n-hydroxy-3,4-methylenedioxyamphetamine	CC(CC1=CC2=C(C=C1)OCO2)NO
3,4,5-trimethoxyamphetamine	CC(CC1=CC(=C(C(=C1)OC)OC)OC)N
5-methoxy-n,n-dimethyltryptamine	CN(C)CCC1=CNC2=C1C=C(C=C2)OC
alpha-methyltryptamine	CC(CC1=CNC2=CC=CC=C21)N
bufotenine	CN(C)CCC1=CNC2=C1C=C(C=C2)O
diethyltryptamine	CCN(CC)CCC1=CNC2=CC=CC=C21
dimethyltryptamine	CN(C)CCC1=CNC2=CC=CC=C21
5-methoxy-n,n-diisopropyltryptamine	CC(C)N(CCC1=CNC2=C1C=C(C=C2)OC)C(C)C
ibogaine	CCC1CC2CC3C1N(C2)CCC4=C3NC5=C4C=C(C=C5)OC
lysergicaciddiethylamide	CCN(CC)C(=O)C1CN(C2CC3=CNC4=CC=CC(=C34)C2=C1)C
marihuana	CCCCCC1=CC(=C2C3C=C(CCC3C(OC2=C1)(C)C)C)O
mescaline	COC1=CC(=CC(=C1OC)OC)CCN
parahexyl	CCCCCCC1=CC(=C2C3=C(CCC(C3)C)C(OC2=C1)(C)C)O
peyote	COC1=CC(=CC(=C1OC)OC)CCN
n-ethyl-3-piperidylbenzilate	O=C(OC1CCCN(CC)C1)C(O)(c2ccccc2)c3ccccc3
n-methyl-3-piperidylbenzilate	CN1CCCC(C1)OC(=O)C(C2=CC=CC=C2)(C3=CC=CC=C3)O
psilocybin	CN(C)CCC1=CNC2=C1C(=CC=C2)OP(=O)(O)O
psilocyn	CN(C)CCC1=CNC2=C1C(=CC=C2)O
tetrahydrocannabinols	CCCCCC1=CC(=C2C3C=C(CCC3C(OC2=C1)(C)C)C)O
n-ethyl-1-phenylcyclohexylamine	ClC(Cl)=C(Cl)Cl
pyrrolidine-phencyclidine	c1ccccc1C3(N2CCCC2)CCCCC3
thiophene-phencyclidine	C1CCC(CC1)(C2=CC=CS2)N3CCCCC3
1-[1-(2-thienyl)cyclohexyl]pyrrolidine	C1CCC(CC1)(C2=CC=CS2)N3CCCC3
mephedrone	CC1=CC=C(C=C1)C(=O)C(C)NC
mdpv	CCCC(C(=O)C1=CC2=C(C=C1)OCO2)N3CCCC3
2c-e	COc1cc(CC)c(cc1CCN)OC

2c-d	O(c1cc(c(OC)cc1CCN)C)C
2c-c	COc1cc(CCN)c(cc1Cl)OC
2c-i	Ic1cc(OC)c(cc1OC)CCN
2c-t-2	CCSc1cc(OC)c(cc1OC)CCN
2c-t-4	CC(C)Sc1cc(OC)c(cc1OC)CCN
2c-h	O(c1ccc(OC)cc1CCN)C
2c-n	[O-][N+](=O)c1cc(OC)c(cc1OC)CCN
2c-p	COC1=C(CCN)C=C(OC)C(CCC)=C1
methylone	CC(C(=O)C1=CC2=C(C=C1)OCO2)NC
ur-144	CCCCCN1C=C(C2=CC=CC=C21)C(=O)C3C(C3(C)C)(C)C
5-fluoro-ur-144	FCCCCCN1C=C(C(C2C(C)(C)C2(C)C)=O)C3=C1C=CC=C3
apinaca	C3C4CC2CC3CC(C4)(C2)NC(=O)c(nn1CCCCC)c5c1cccc5
quinolin-8-yl 5-fluoro-1-pentylindole-3-carboxylate	CCCCCN1C=C(C2=C1C=CC(=C2)F)C(=O)OC3=CC=CC4=C3N=CC=C4
quinolin-8-yl1-(5-fluoropentyl)-1h-indole-3-carboxylate	C1=CC=C2C(=C1)C(=CN2CCCCCF)C(=O)OC3=CC=CC4=C3N=CC=C4
n-(1-amino-3-methyl-1-oxobutan-2-yl)-1-(4-fluorobenzyl)-1h-indazole-3-carboxamide	CC(C)C(C(=O)N)NC(=O)C1=NN(C2=CC=CC=C21)CC3=CC=C(C=C3)F
n-(1-amino-3,3-dimethyl-1-oxobutan-2-yl)-1-pentyl-1h-indazole-3-carboxamide	O=C(C1=NN(CCCCC)C2=C1C=CC=C2)NC(C(C)(C)C)C(N)=O
2c-i-nbome	COC1=CC=CC=C1CNCCC2=CC(=C(C=C2OC)I)OC
2c-c-nbome	COc2ccccc2CNCCc(cc1OC)c(OC)cc1Cl
2c-b-nbome	COC1=CC=CC=C1CNCCC2=CC(=C(C=C2OC)Br)OC
4-mec	CCNC(C)C(=O)C1=CC=C(C=C1)C
4-meppp	CC1=CC=C(C=C1)C(=O)C(C)N2CCCC2
alpha-pvp	CCCC(C(C1=CC=CC=C1)=O)N2CCCC2
butylone	CCC(C(=O)C1=CC2=C(C=C1)OCO2)NC
pentedrone	CCCC(C(=O)C1=CC=CC=C1)NC
pentylone	CCCC(C(=O)C1=CC2=C(C=C1)OCO2)NC
flephedrone	CC(C(=O)C1=CC=C(C=C1)F)NC
3-fmc	FC1=CC=CC(=C1)C(C(C)NC)=O
naphyrone	CCCC(C(C1=CC2=C(C=C1)C=CC=C2)=O)N3CCCC3

alpha-pbp	C2CCCN2C(CC)C(=O)c1ccccc1
ab-chminaca	CC(C)C(C(=O)N)NC(=O)C1=NN(C2=CC=CC=C21)CC3CCCCC3
ab-pinaca	CCCCCN1C2=CC=CC=C2C(=N1)C(=O)NC(C(C)C)C(=O)N
thj-2201	O=C(C1=CC=CC2=C1C=CC=C2)C3=NN(CCCCCF)C4=C3C=CC=C4
mab-chminaca	O=C(NC(C(N)=O)C(C)(C)C)C1=NN(CC2CCCCC2)C3=C1C=CC=C3
5f-mdmb-pinaca	COC(=O)C(NC(=O)c1nn(CCCCCF)c2ccccc12)C(C)(C)C
5f-amb	CC(C)C(C(=O)OC)NC(=O)C1=NN(C2=CC=CC=C21)CCCCCF
5f-apinaca	O=C(C1=NN(C2=C1C=CC=C2)CCCCCF)NC34CC5CC(C4)CC(C5)C3
adb-fubinaca	CC(C)(C)C(C(=O)N)NC(=O)C1=NN(C2=CC=CC=C21)CC3=CC=C(C=C3)F
mdmb-chmica	COC(=O)[C@@H](NC(=O)c1cn(CC2CCCCC2)c3ccccc13)C(C)(C)C
mdmb-fubinaca	CC(C)(C)C(C(=O)OC)NC(=O)C1=NN(C2=CC=CC=C21)CC3=CC=C(C=C3)F
mmb-fubinaca	FC(C=C1)=CC=C1CN2N=C(C(N[C@H](C(OC)=O)C(C)C)=O)C3=CC=CC=C32
ethylone	CCNC(C)C(=O)C1=CC2=C(C=C1)OCO2
nm2201	FCCCCCN1C=C(C(OC2=C(C=CC=C3)C3=CC=C2)=O)C4=CC=CC=C41
5f-ab-pinaca	CC(C)C(C(=O)N)NC(=O)C1=NN(C2=CC=CC=C21)CCCCCF
4-cn-cumyl-butinaca	O=C(NC(C)(C)C1=CC=CC=C1)C2=NN(CCCCC#N)C3=C2C=CC=C3
mmb-chmica	CC(C)C(C(=O)OC)NC(=O)C1=CN(C2=CC=CC=C21)CC3CCCCC3
5f-cumyl-p7aica	CC(C)(C1=CC=CC=C1)NC(=O)C2=CN(C3=C2C=CC=N3)CCCCCF
n-ethylpentylone	CCCC(C(=O)C1=CC2=C(C=C1)OCO2)NCC
4f-mdmb-binaca	O=C(N[C@H](C(OC)=O)C(C)(C)C)C1=NN(CCCCF)C2=C1C=CC=C2
para-methoxymethamphetamine	CC(CC1=CC=C(C=C1)OC)NC
gamma-hydroxybutyricacid	C(CC(=O)O)CO
mecloqualone	CC1=NC2=CC=CC=C2C(=O)N1C3=CC=CC=C3Cl
methaqualone	CC1=CC=CC=C1N2C(=NC3=CC=CC=C3C2=O)C
aminorex	C1C(OC(=N1)N)C2=CC=CC=C2
n-benzylpiperazine	C1CN(CCN1)CC2=CC=CC=C2

cathinone	CC(C(=O)C1=CC=CC=C1)N
4,4′-dimethylaminorex	CC(N=C(N)O1)C1C2=CC=C(C)C=C2
fenethylline	CC(CC1=CC=CC=C1)NCCN2C=NC3=C2C(=O)N(C(=O)N3C)C
methcathinone	CC(C(=O)C1=CC=CC=C1)NC
(±)cis-4-methylaminorex	CC1C(OC(=N1)N)C2=CC=CC=C2
n-ethylamphetamine	CC(NCC)CC1=CC=CC=C1
n,n-dimethylamphetamine	CC(CC1=CC=CC=C1)N(C)C
cp-47,479	CCCCCCC(C)(C)c1ccc(c(c1)O)[C@H]2CCC[C@H](C2)O
cannabicyclohexanol	CCCCCCCC(C)(C)C1=CC(=C(C=C1)C2CCCC(C2)O)O
jwh-018	CCCCCN1C=C(C(C2=CC=CC3=CC=CC=C32)=O)C4=CC=CC=C41
jwh-073	CCCCN1C=C(C2=CC=CC=C21)C(=O)C3=CC=CC4=CC=CC=C43
jwh-019	c3cccc2c3cccc2C(=O)c1cn(CCCCCC)c4c1cccc4
jwh-200	O=C(C1=CC=CC2=C1C=CC=C2)C3=CN(C4=C3C=CC=C4)CCN5CCOCC5
jwh-250	COc2ccccc2CC(=O)c(c3ccccc13)cn1CCCCC
jwh-081	CCCCCn3c1ccccc1c(c3)C(=O)c4c2ccccc2c(OC)cc4
jwh-122	CCCCCn1cc(c2c1cccc2)C(=O)c3ccc(c4c3cccc4)C
jwh-398	c14ccccc1n(CCCCC)cc4C(=O)c(cc3)c2ccccc2c3Cl
am-2201	O=C(C1=CN(CCCCCF)C2=C1C=CC=C2)C3=CC=CC4=C3C=CC=C4
am-694	Ic2ccccc2C(=O)c1cn(CCCCCF)c3ccccc13
rcs-4	CCCCCn1cc(c2c1cccc2)C(=O)c3ccc(cc3)OC
rcs-8	COc1ccccc1CC(=O)c2cn(c3c2cccc3)CCC4CCCCC4
jwh-203	Clc2ccccc2CC(=O)c1cn(CCCCC)c3ccccc13
5f-edmb-pinaca	CC(C)(C)C(NC(C1=NN(CCCCCF)C2=C1C=CC=C2)=O)C(OCC)=O
5f-mdmb-pica	O=C(N[C@H](C(OC)=O)C(C)(C)C)C1=CN(CCCCCF)C2=C1C=CC=C2
fub-apinaca	C1C2CC3CC1CC(C2)(C3)NC(=O)C4=NN(C5=CC=CC=C54)CC6=CC=C(C=C6)F
5f-cumyl-pinaca	CC(C)(C1=CC=CC=C1)NC(=O)C2=NN(C3=CC=CC=C32)CCCCCF
fub-144	Fc1ccc(cc1)Cn1cc(c2c1cccc2)C(=O)C1C(C1(C)C)(C)C
2-(ethylamino)-1-phenylhexan-1-one	CCCCC(C(=O)C1=CC=CC=C1)NCC

alpha-pyrrolidinohexiophenone	C1(=CC=CC=C1)C(C(CCCC)N2CCCC2)=O
4-meap	CC1=CC=C(C(C(CCC)NCC)=O)C=C1
4′-methyl-alpha-pyrrolidinohexanophenone	CC1=CC=C(C(C(CCCC)N2CCCC2)=O)C=C1
1-phenyl-2-(pyrrolidin-1-yl)heptan-1-one	CCCCCC(C(=O)C1=CC=CC=C1)N2CCCC2
4′-chloro-alpha-pvp	CCCC(C(=O)C1=CC=C(C=C1)Cl)N2CCCC2
brorphine	CC(C1=CC=C(Br)C=C1)N2CCC(N3C(NC4=C3C=CC=C4)=O)CC2

D.2: U.S Schedule Two Narcotics

codeine	CN1CCC23C4C1CC5=C2C(=C(C=C5)OC)OC3C(C=C4)O
dihydroetorphine	CCCC(C)(C1CC23CCC1(C4C25CCN(C3CC6=C5C(=C(C=C6)O)O4)C)OC)O
ethylmorphine	CCOC1=C2C3=C(CC4C5C3(CCN4C)C(O2)C(C=C5)O)C=C1
etorphinehydrochloride	CCCC(C)(C1CC23C=CC1(C4C25CCN(C3CC6=C5C(=C(C=C6)O)O4)C)OC)O.Cl
granulated-opium	CN1CCC23C4C1CC5=C2C(=C(C=C5)O)OC3C(C=C4)O
hydrocodone	CN1CCC23C4C1CC5=C2C(=C(C=C5)OC)OC3C(=O)CC4
hydromorphone	CN1CCC23C4C1CC5=C2C(=C(C=C5)O)OC3C(=O)CC4
metopon	CC12C(=O)CCC3C14CCN(C3CC5=C4C(=C(C=C5)O)O2)C
morphine	CN1CCC23C4C1CC5=C2C(=C(C=C5)O)OC3C(C=C4)O
noroxymorphone	C1CC2(C3CC4=C5C2(CCN3)C(C1=O)OC5=C(C=C4)O)O
oripavine	CN1CCC23C4C(=CC=C2C1CC5=C3C(=C(C=C5)O)O4)OC
oxycodone	CN1CCC23C4C(=O)CCC2(C1CC5=C3C(=C(C=C5)OC)O4)O
oxymorphone	CN1CC[C@]23[C@H]4OC5=C(O)C=CC(C[C@@H]1[C@]2(O)CCC4=O)=C35
thebaine	CN1CCC23C4C(=CC=C2C1CC5=C3C(=C(C=C5)OC)O4)OC
alfentanil	CCC(=O)N(C1=CC=CC=C1)C2(CCN(CC2)CCN3C(=O)N(N=N3)CC)COC
alphaprodine	CCC(=O)OC1(CCN(CC1C)C)C2=CC=CC=C2
anileridine	CCOC(=O)C1(CCN(CC1)CCC2=CC=C(C=C2)N)C3=CC=CC=C3
bezitramide	CCC(=O)N1C2=CC=CC=C2N(C1=O)C3CCN(CC3)CCC(C#N)(C4=CC=CC=C4)C5=CC=CC=C5
dextropropoxyphene	CCC(=O)OC(CC1=CC=CC=C1)(C2=CC=CC=C2)C(C)CN(C)C

carfentanil	CCC(=O)N(C1=CC=CC=C1)C2(CCN(CC2)CCC3=CC=CC=C3)C(=O)OC
dihydrocodeine	CN1CCC23C4C1CC5=C2C(=C(C=C5)OC)OC3C(CC4)O
diphenoxylate	CCOC(=O)C1(CCN(CC1)CCC(C#N)(C2=CC=CC=C2)C3=CC=CC=C3)C4=CC=CC=C4
fentanyl	CCC(=O)N(C1CCN(CC1)CCC2=CC=CC=C2)C3=CC=CC=C3
isomethadone	CCC(=O)C(C1=CC=CC=C1)(C2=CC=CC=C2)C(C)CN(C)C
levo-alphacetylmethadol	CC[C@]([H])(C(C[C@@]([H])(C)N(C)C)(c1ccccc1)c2ccccc2)OC(=O)C
levomethorphan	CN1CCC23CCCCC2C1CC4=C3C=C(C=C4)OC
levorphanol	CN1CCC23CCCCC2C1CC4=C3C=C(C=C4)O
metazocine	CC1C2CC3=C(C1(CCN2C)C)C=C(C=C3)O
methadone	CCC(=O)C(CC(C)N(C)C)(C1=CC=CC=C1)C2=CC=CC=C2
methadone-intermediate	CC(CC(C#N)(C1=CC=CC=C1)C2=CC=CC=C2)N(C)C
moramide-intermediate	O=C(O)C(c1ccccc1)(c2ccccc2)C(C)CN3CCOCC3
oliceridine	COC1=C(SC=C1)CNCCC2(CCOC3(C2)CCCC3)C4=CC=CC=N4
pethidine	O=C(C1(CCN(CC1)C)C2=CC=CC=C2)OCC
pethidine-intermediate-a	CN1CCC(CC1)(C#N)c2ccccc2
pethidine-intermediate-b	O=C(OCC)C2(c1ccccc1)CCNCC2
pethidine-intermediate-c	CN1CCC(CC1)(C2=CC=CC=C2)C(=O)O
phenazocine	CC1C2CC3=C(C1(CCN2CCC4=CC=CC=C4)C)C=C(C=C3)O
piminodine	CCOC(=O)C1(CCN(CC1)CCCNC2=CC=CC=C2)C3=CC=CC=C3
racemethorphan	CN1CCC23CCCCC2C1CC4=C3C=C(C=C4)OC
racemorphan	CN1CCC23CCCCC2C1CC4=C3C=C(C=C4)O
remifentanil	CCC(=O)N(C1=CC=CC=C1)C2(CCN(CC2)CCC(=O)OC)C(=O)OC
sufentanil	CCC(=O)N(C1=CC=CC=C1)C2(CCN(CC2)CCC3=CC=CS3)COC
tapentadol	CCC(C1=CC(=CC=C1)O)C(C)CN(C)C
thiafentanil	COCC(=O)N(C1=CC=CC=C1)C2(CCN(CC2)CCC3=CC=CS3)C(=O)OC
amphetamine	CC(CC1=CC=CC=C1)N
methamphetamine	CC(CC1=CC=CC=C1)NC
phenmetrazine	CC1C(OCCN1)C2=CC=CC=C2
methylphenidate	COC(=O)C(C1CCCCN1)C2=CC=CC=C2

lisdexamfetamine	CC(CC1=CC=CC=C1)NC(=O)C(CCCCN)N
amobarbital	CCC1(C(=O)NC(=O)NC1=O)CCC(C)C
glutethimide	CCC1(CCC(=O)NC1=O)C2=CC=CC=C2
pentobarbital	CCCC(C)C1(C(=O)NC(=O)NC1=O)CC
phencyclidine	C1CCC(CC1)(C2=CC=CC=C2)N3CCCCC3
secobarbital	CCCC(C)C1(C(=O)NC(=O)NC1=O)CC=C
nabilone	CCCCCCC(C)(C)C1=CC(=C2C3CC(=O)CCC3C(OC2=C1)(C)C)O
dronabinol	CCCCCC1=CC(=C2C3C=C(CCC3C(OC2=C1)(C)C)C)O
phenylacetone	CC(=O)CC1=CC=CC=C1
1-phenylcyclohexylamine	C1CCC(CC1)(C2=CC=CC=C2)N
1-piperidinocyclohexanecarbonitrile	C1CCC(CC1)(C#N)N2CCCCC2
4-anilino-n-phenethylpiperidine	C1CN(CCC1NC2=CC=CC=C2)CCC3=CC=CC=C3

D.3: U.S Schedule Three Narcotics

norfentanyl	CCC(=O)N(C1CCNCC1)C2=CC=CC=C2
benzphetamine	CC(CC1=CC=CC=C1)N(C)CC2=CC=CC=C2
chlorphentermine	CN(C)CCC(C1=CC=C(C=C1)Cl)C2=CC=CC=N2
clortermine	CC(C)(CC1=CC=CC=C1Cl)N
phendimetrazine	CC1C(OCCN1C)C2=CC=CC=C2
amobarbital	CCC1(C(=O)NC(=O)NC1=O)CCC(C)C
secobarbital	CCCC(C)C1(C(=O)NC(=O)NC1=O)CC=C
pentobarbital	CCCC(C)C1(C(=O)NC(=O)NC1=O)CC
chlorhexadol	CC(CC(C)(C)O)OC(C(Cl)(Cl)Cl)O
embutramide	CCC(CC)(CNC(=O)CCCO)C1=CC(=CC=C1)OC
ketamine	CNC1(CCCCC1=O)C2=CC=CC=C2Cl
lysergicacid	CN1CC(C=C2C1CC3=CNC4=CC=CC2=C34)C(=O)O
lysergicacidamide	CN1CC(C=C2C1CC3=CNC4=CC=CC2=C34)C(=O)N
methyprylon	CCC1(C(=O)C(CNC1=O)C)CC
perampanel	C1=CC=C(C=C1)N2C=C(C=C(C2=O)C3=CC=CC=C3C#N)C4=CC=CC=N4

sulfondiethylmethane	CCC(CC)(S(=O)(=O)CC)S(=O)(=O)CC
sulfonethylmethane	CCC(C)(S(=O)(=O)CC)S(=O)(=O)CC
sulfonmethane	O=S(=O)(C(C)(C)S(=O)(=O)CC)CC
tiletamine	CCNC1(CCCCC1=O)C2=CC=CS2
nalorphine_9400	C=CCN1CCC23C4C1CC5=C2C(=C(C=C5)O)OC3C(C=C4)O
flupyrazapon	CC1=NN(C2=C1C(=NCC(=O)N2C)C3=CC=CC=C3F)C
buprenorphine	CC(C)(C)C(C)(C1CC23CCC1(C4C25CCN(C3CC6=C5C(=C(C=C6)O)O4)CC7CC7)OC)O

D.4: U.S Schedule Four Narcotics

dextropropoxyphene	CCC(=O)OC(CC1=CC=CC=C1)(C2=CC=CC=C2)C(C)CN(C)C
2-[(dimethylamino)methyl]-1-(3-methoxyphenyl)cyclohexanol	CN(C)CC1CCCCC1(C2=CC(=CC=C2)OC)O
alfaxalone	CC(=O)C1CCC2C1(CC(=O)C3C2CCC4C3(CCC(C4)O)C)C
alprazolam	CC1=NN=C2N1C3=C(C=C(C=C3)Cl)C(=NC2)C4=CC=CC=C4
barbital	CCC1(C(=O)NC(=O)NC1=O)CC
brexanolone	CC(=O)C1CCC2C1(CCC3C2CCC4C3(CCC(C4)O)C)C
bromazepam	C1C(=O)NC2=C(C=C(C=C2)Br)C(=N1)C3=CC=CC=N3
camazepam	CN1C2=C(C=C(C=C2)Cl)C(=NC(C1=O)OC(=O)N(C)C)C3=CC=CC=C3
carisoprodol	CCCC(C)(COC(=O)N)COC(=O)NC(C)C
chloralbetaine	C[N+](C)(C)CC(=O)[O-].C(C(Cl)(Cl)Cl)(O)O
chloralhydrate	C(C(Cl)(Cl)Cl)(O)O
chlordiazepoxide	CN=C1CN(C(=C2C=C(C=CC2=N1)Cl)C3=CC=CC=C3)O
clobazam	CN1C(=O)CC(=O)N(C2=C1C=CC(=C2)Cl)C3=CC=CC=C3
clonazepam	C1C(=O)NC2=C(C=C(C=C2)[N+](=O)[O-])C(=N1)C3=CC=CC=C3Cl
clorazepate	C1=CC=C(C=C1)C2=NC(C(=O)NC3=C2C=C(C=C3)Cl)C(=O)O
clotiazepam	CCC1=CC2=C(S1)N(C(=O)CN=C2C3=CC=CC=C3Cl)C
cloxazolam	C1COC2(N1CC(=O)NC3=C2C=C(C=C3)Cl)C4=CC=CC=C4Cl
delorazepam	C1C(=O)NC2=C(C=C(C=C2)Cl)C(=N1)C3=CC=CC=C3Cl
diazepam	CN1C(=O)CN=C(C2=C1C=CC(=C2)Cl)C3=CC=CC=C3

dichloralphenazone	CC1=CC(=O)N(N1C)C2=CC=CC=C2.C(C(Cl)(Cl)Cl)(O)O.C(C(Cl)(Cl)Cl)(O)O
estazolam	C1C2=NN=CN2C3=C(C=C(C=C3)Cl)C(=N1)C4=CC=CC=C4
ethchlorvynol	CCC(C=CCl)(C#C)O
ethinamate	O=C(OC1(C#C)CCCCC1)N
ethyl loflazepate	CCOC(=O)C1C(=O)NC2=C(C=C(C=C2)Cl)C(=N1)C3=CC=CC=C3F
fludiazepam	CN1C(=O)CN=C(C2=C1C=CC(=C2)Cl)C3=CC=CC=C3F
flunitrazepam	CN1C(=O)CN=C(C2=C1C=CC(=C2)[N+](=O)[O-])C3=CC=CC=C3F
flurazepam	CCN(CC)CCN1C(=O)CN=C(C2=C1C=CC(=C2)Cl)C3=CC=CC=C3F
fospropofol	CC(C)C1=C(C(=CC=C1)C(C)C)OCOP(=O)(O)O
halazepam	C1C(=O)N(C2=C(C=C(C=C2)Cl)C(=N1)C3=CC=CC=C3)CC(F)(F)F
haloxazolam	C1COC2(N1CC(=O)NC3=C2C=C(C=C3)Br)C4=CC=CC=C4F
ketazolam	CC1=CC(=O)N2CC(=O)N(C3=C(C2(O1)C4=CC=CC=C4)C=C(C=C3)Cl)C
lemborexant	CC1=NC(=NC=C1OCC2(CC2C(=O)NC3=NC=C(C=C3)F)C4=CC(=CC=C4)F)C
loprazolam	CN1CCN(CC1)C=C2C(=O)N3C(=N2)CN=C(C4=C3C=CC(=C4)[N+](=O)[O-])C5=CC=CC=C5Cl
lorazepam	C1=CC=C(C(=C1)C2=NC(C(=O)NC3=C2C=C(C=C3)Cl)O)Cl
lormetazepam	CN1C2=C(C=C(C=C2)Cl)C(=NC(C1=O)O)C3=CC=CC=C3Cl
mebutamate	CCC(C)C(C)(COC(=O)N)COC(=O)N
medazepam	CN1CCN=C(C2=C1C=CC(=C2)Cl)C3=CC=CC=C3
meprobamate	CCCC(C)(COC(=O)N)COC(=O)N
methohexital	CCC#CC(C)C1(C(=O)NC(=O)N(C1=O)C)CC=C
methylphenobarbital	CCC1(C(=O)NC(=O)N(C1=O)C)C2=CC=CC=C2
midazolam	CC1=NC=C2N1C3=C(C=C(C=C3)Cl)C(=NC2)C4=CC=CC=C4F
nimetazepam	CN1C(=O)CN=C(C2=C1C=CC(=C2)[N+](=O)[O-])C3=CC=CC=C3
nitrazepam	C1C(=O)NC2=C(C=C(C=C2)[N+](=O)[O-])C(=N1)C3=CC=CC=C3
nordiazepam	C1C(=O)NC2=C(C=C(C=C2)Cl)C(=N1)C3=CC=CC=C3
oxazepam	C1=CC=C(C=C1)C2=NC(C(=O)NC3=C2C=C(C=C3)Cl)O
oxazolam	CC1CN2CC(=O)NC3=C(C2(O1)C4=CC=CC=C4)C=C(C=C3)Cl

paraldehyde	CC1OC(OC(O1)C)C
petrichloral	C(C(COC(C(Cl)(Cl)Cl)O)(COC(C(Cl)(Cl)Cl)O)COC(C(Cl)(Cl)Cl)O)OC(C(Cl)(Cl)Cl)O
phenobarbital	CCC1(C(=O)NC(=O)NC1=O)C2=CC=CC=C2
pinazepam	C#CCN1C(=O)CN=C(C2=C1C=CC(=C2)Cl)C3=CC=CC=C3
prazepam	C1CC1CN2C(=O)CN=C(C3=C2C=CC(=C3)Cl)C4=CC=CC=C4
quazepam	C1C(=S)N(C2=C(C=C(C=C2)Cl)C(=N1)C3=CC=CC=C3F)CC(F)(F)F
remimazolam	CC1=CN=C2N1C3=C(C=C(C=C3)Br)C(=NC2CCC(=O)OC)C4=CC=CC=N4
suvorexant	CC1CCN(CCN1C(=O)C2=C(C=CC(=C2)C)N3N=CC=N3)C4=NC5=C(O4)C=CC(=C5)Cl
temazepam	CN1C2=C(C=C(C=C2)Cl)C(=NC(C1=O)O)C3=CC=CC=C3
tetrazepam	CN1C(=O)CN=C(C2=C1C=CC(=C2)Cl)C3=CCCCC3
triazolam	CC1=NN=C2N1C3=C(C=C(C=C3)Cl)C(=NC2)C4=CC=CC=C4Cl
zaleplon	CCN(C1=CC=CC(=C1)C2=CC=NC3=C(C=NN23)C#N)C(=O)C
zolpidem	CC1=CC=C(C=C1)C2=C(N3C=C(C=CC3=N2)C)CC(=O)N(C)C
zopiclone	CN1CCN(CC1)C(=O)OC2C3=NC=CN=C3C(=O)N2C4=NC=C(C=C4)Cl
fenfluramine	CCNC(C)CC1=CC(=CC=C1)C(F)(F)F
lorcaserin	CC1CNCCC2=C1C=C(C=C2)Cl
(+)-norpseudoephedrine	CC(C(C1=CC=CC=C1)O)N
diethylpropion	CCN(CC)C(C)C(=O)C1=CC=CC=C1
fencamfamin	CCNC1C2CCC(C2)C1C3=CC=CC=C3
fenproporex	CC(CC1=CC=CC=C1)NCCC#N
mazindol	C1CN2C(=N1)C3=CC=CC=C3C2(C4=CC=C(C=C4)Cl)O
mefenorex	CC(CC1=CC=CC=C1)NCCCCl
pemoline	C1=CC=C(C=C1)C2C(=O)N=C(O2)N
phentermine	CC(C)(CC1=CC=CC=C1)N
pipradrol	C1CCNC(C1)C(C2=CC=CC=C2)(C3=CC=CC=C3)O
serdexmethylphenidate	COC(=O)C(C1CCCCN1C(=O)OC[N+]2=CC=CC(=C2)C(=O)NC(CO)C(=O)[O-])C3=CC=CC=C3
sibutramine	CC(C)CC(C1(CCC1)C2=CC=C(C=C2)Cl)N(C)C
solriamfetol	C1=CC=C(C=C1)CC(COC(=O)N)N

spa((-)-1-dimethylamino-1,2-diphenylethane)	CN(C)C(CC1=CC=CC=C1)C2=CC=CC=C2
pentazocine	CC1C2CC3=C(C1(CCN2CC=C(C)C)C)C=C(C=C3)O
butorphanol	C1CCC2(C3CC4=C(C2(C1)CCN3CC5CCC5)C=C(C=C4)O)O

D.5: U.S Schedule Five Narcotics

eluxadoline	CC1=CC(=CC(=C1CC(C(=O)N(CC2=CC(=C(C=C2)OC)C(=O)O)C(C)C3=NC=C(N3)C4=CC=CC=C4)N)C)C(=O)N
pyrovalerone	CCCC(C(=O)C1=CC=C(C=C1)C)N2CCCC2
brivaracetam	CCCC1CC(=O)N(C1)C(CC)C(=O)N
cenobamate	C1=CC=C(C(=C1)C(CN2N=CN=N2)OC(=O)N)Cl
ezogabine	CCOC(=O)NC1=C(C=C(C=C1)NCC2=CC=C(C=C2)F)N
lacosamide	CC(=O)NC(COC)C(=O)NCC1=CC=CC=C1
lasmiditan	CN1CCC(CC1)C(=O)C2=NC(=CC=C2)NC(=O)C3=C(C=C(C=C3F)F)F
pregabalin	CC(C)CC(CC(=O)O)CN

D.6: PihKal A Chemical Love Story

alpha-ethylmescaline	CCC(N)CC1=CC(=C(OC)C(=C1)OC)OC
4-allyloxy-3,5-dimethoxyphenethylamine	COC1=CC(=CC(=C1OCC=C)OC)CCN
2,5-dimethoxy-4-methylthioamphetamine	COC1=CC(=C(OC)C=C1CC(C)N)SC
2,5-dimethoxy-4-ethylthioamphetamine	CCSC1=C(OC)C=C(CC(C)N)C(=C1)OC
2,5-dimethoxy-4-(i)-propylthioamphetamine	COC1=CC(=C(OC)C=C1CC(C)N)SC(C)C
2,5-dimethoxy-4-phenylthioamphetamine	COC1=CC(=C(OC)C=C1CC(C)N)SC2=CC=CC=C2
2,5-dimethoxy-4-(n)-propylthioamphetamine	CCCSC1=C(OC)C=C(CC(C)N)C(=C1)OC
dimoxamine	CCC(N)CC1=CC(=C(C)C=C1OC)OC
asymbescaline	CCOC1=CC(=CC(=C1OCC)OC)CCN
buscaline	CCCCOC1=C(OC)C=C(CCN)C=C1OC
2,5-dimethoxy-4,n-dimethylamphetamine	CNC(C)CC1=CC(=C(C)C=C1OC)OC

4-methyl-2,5-bis-(methylthio)amphetamine	CSC1=C(C)C=C(SC)C(=C1)CC(C)N
4-bromo-2,5-beta-trimethoxyphenethylamine	COC(CN)C1=CC(=C(Br)C=C1OC)OC
4-methyl-2,5,beta-trimethoxyphenethylamine	COC(CN)C1=CC(=C(C)C=C1OC)OC
beta-methoxy-3,4-methylenedioxyphenethylamine	COC(CN)C1=CC(=C(C)C=C1OC)OC
2,5-dimethoxy-beta-hydroxy-4-methylphenethylamine	CC1=C(O)C=C(C(O)CN)C(=C1)Br
beta-methoxymescaline	COC(CN)C1=CC(=C(OC)C(=C1)OC)OC
3,5-dimethoxy-4-bromoamphetamine	COC1=C(Br)C(=CC(=C1)CC(C)N)OC
2-bromo-4,5-methylenedioxyamphetamine	CC(N)CC1=C(Br)C=C2OCOC2=C1
4-bromo-2,5-dimethoxyphenethylamine	[CH3:20][O:13][C:6]1=[CH:5][C:4](=[C:3]([O:16][CH3:11])[CH:2]=[C:1]1[Br:12])[CH2:8][CH2:9][NH2:10]
4-benzyloxy-3,5-dimethoxyamphetamine	COC1=C(OCC2=CC=CC=C2)C(=CC(=C1)CC(C)N)OC
2,5-dimethoxy-4-chlorophenethylamine	COC1=CC(=C(OC)C=C1Cl)CCN
2,5-dimethoxy-4-methylphenethylamine	[CH3:20][O:13][C:6]1=[CH:5][C:4](=[C:3]([O:16][CH3:11])[CH:2]=[C:1]1[CH3:12])[CH2:8][CH2:9][NH2:10]
2,5-dimethoxy-4-ethylphenethylamine	CCC1=CC(=C(CCN)C=C1OC)OC
3,5-dimethoxy-4-ethoxyamphetamine	CCOC1=C(OC)C=C(CC(C)N)C=C1OC
2,5-dimethoxy-4-fluorophenethylamine	COC1=CC(=C(OC)C=C1F)CCN
2,5-dimethoxy-3,4-dimethylphenethylamine	COC1=CC(=C(OC)C(=C1C)C)CCN
2,5-dimethoxy-3,4-(trimethylene)phenethylamine	COC1=CC(=C(OC)C2=C1CCC2)CCN
2,5-dimethoxy-3,4-(tetramethylene)phenethylamine	COC1=CC(=C(OC)C2=C1CCCC2)CCN
3,6-dimethoxy-4-(2-aminoethyl)benzonorbornane	COC1=CC(=C(OC)C2=C1C3CCC2C3)CCN
1,4-dimethoxynaphthyl-2-ethylamine	COC1=CC(=C(OC)C2=C1C=CC=C2)CCN

2,5-dimethoxyphenethylamine	COC1=CC(=C(OC)C=C1)CCN
2,5-dimethoxy-4-iodophenethylamine	[CH3:20][O:13][C:6]1=[CH:5][C:4](=[C:3]([O:16][CH3:11])[CH:2]=[C:1]1[I:12])[CH2:8][CH2:9][NH2:10]
2,5-dimethoxy-4-nitrophenethylamine	COC1=C(CCN)C=C(OC)C(=C1)[N](=O)=O
2,5-dimethoxy-4-(i)-propoxyphenethylamine	COC1=C(CCN)C=C(OC)C(=C1)OC(C)C
2,5-dimethoxy-4-(n)-propylphenethylamine	CCCOC1=CC(=C(CCN)C=C1OC)OC
cyclopropylmescaline	COC1=C(CCN)C=C(OC)C(=C1)OCC2CC2
2,5-dimethoxy-4-methylseleneophenethylamine	COC1=C(CCN)C=C(OC)C(=C1)[Se]C
2,5-dimethoxy-4-methylthiophenethylamine	COC1=C(CCN)C=C(OC)C(=C1)SC
2,5-dimethoxy-4-ethylthiophenethylamine	[CH3:30][CH2:29][S:12][C:1]1=[CH:2][C:3](=[C:4]([CH2:8][CH2:9][NH2:10])[CH:5]=[C:6]1[O:13][CH3:20])[O:16][CH3:11]
2,5-dimethoxy-4-(i)-propylthiophenethylamine	COC1=C(CCN)C=C(OC)C(=C1)SC(C)C
2,6-dimethoxy-4-(i)-propylthiophenethylamine)	COC1=C(CCN)C(=CC(=C1)SC(C)C)OC
2,5-dimethoxy-4-(n)-propylthiophenethylamine	[CH3:33][CH2:30][CH2:29][S:12][C:1]1=[CH:2][C:3](=[C:4]([CH2:8][CH2:9][NH2:10])[CH:5]=[C:6]1[O:13][CH3:20])[O:16][CH3:11]
2,5-dimethoxy-4-cyclopropylmethylthiophenethylamine	COC1=C(CCN)C=C(OC)C(=C1)SCC2CC2
2,5-dimethoxy-4-(t)-butylthiophenethylamine	COC1=C(CCN)C=C(OC)C(=C1)SC(C)(C)C
2,5-dimethoxy-4-(2-methoxyethylthio)phenethylamine	COCCSC1=CC(=C(CCN)C=C1OC)OC
2,5-dimethoxy-4-cyclopropylthiophenethylamine	COC1=C(CCN)C=C(OC)C(=C1)SC2CC2
2,5-dimethoxy-4-(s)-butylthiophenethylamine	CCC(C)SC1=CC(=C(CCN)C=C1OC)OC
2,5-dimethoxy-4-(2-fluoroethylthio)phenethylamine	COC1=C(CCN)C=C(OC)C(=C1)SCCF

3,5-dimethoxy-4-trideuteromethoxy-phenethylamine	COC1=CC(=CC(=C1OC)OC)CCN
3,4,5-trimethoxy-beta,beta-dideuterophenethylamine	COC1=CC(=CC(=C1OC)OC)CCN
3,5-dimethoxy-4-methylphenethylamine	COC1=CC(=CC(=C1C)OC)CCN
2,4-dimethoxyamphetamine	COC1=CC=C(CC(C)N)C(=C1)OC
2,5-dimethoxyamphetamine	COC1=CC=C(OC)C(=C1)CC(C)N
3,4-dimethoxyamphetamine	COC1=CC=C(CC(C)N)C=C1OC
2-(2,5-dimethoxy-4-methylphenyl)cyclopropylamine	COC1=CC(=C(OC)C=C1C)C2CC2N
3,4-dimethoxy-beta-hydroxyphenethylamine	COC1=CC=C(C=C1OC)C(O)CN
2,5-dimethoxy-3,4-methylenedioxyamphetamine	COC1=C2OCOC2=C(OC)C(=C1)CC(C)N
2,3-dimethoxy-4,5-methylenedioxyamphetamine	COC1=C(CC(C)N)C=C2OCOC2=C1OC
3,4-dimethoxyphenethylamine	COC1=CC=C(CCN)C=C1OC
2,5-dimethoxy-4-(n)-amylamphetamine	CCCCCC1=CC(=C(CC(C)N)C=C1OC)OC
2,5-dimethoxy-4-bromoamphetamine	COC1=CC(=C(OC)C=C1Br)CC(C)N
2,5-dimethoxy-4-(n)-butylamphetamine	CCCCC1=CC(=C(CC(C)N)C=C1OC)OC
2,5-dimethoxy-4-chloroamphetamine	COC1=CC(=C(OC)C=C1Cl)CC(C)N
2,5-dimethoxy-4-(2-fluoroethyl)-amphetamine	COC1=CC(=C(OC)C=C1CCF)CC(C)N
2,5-dimethoxy-4-ethylamphetamine	CCC1=CC(=C(CC(C)N)C=C1OC)OC
2,5-dimethoxy-4-iodoamphetamine	COC1=CC(=C(OC)C=C1I)CC(C)N
2,5-dimethoxy-4-methylamphetamine	COC1=CC(=C(OC)C=C1C)CC(C)N
2,6-dimethoxy-4-methylamphetamine	COC1=C(CC(C)N)C(=CC(=C1)C)OC
2,5-dimethoxy-4-nitroamphetamine	COC1=C(CC(C)N)C=C(OC)C(=C1)[N](=O)=O
2,5-dimethoxy-4-(n)-propylamphetamine	CCCC1=CC(=C(CC(C)N)C=C1OC)OC

3,5-dimethoxy-4-ethoxyphenethylamine	CCOC1=C(OC)C=C(CCN)C=C1OC
2,4,5-triethoxyamphetamine	CCOC1=C(CC(C)N)C=C(OCC)C(=C1)OCC
2,4-diethoxy-5-methoxyamphetamine	CCOC1=C(CCN)C=C(OC)C(=C1)OCC
2,5-diethoxy-4-methoxyamphetamine	CCOC1=C(CCN)C=C(OCC)C(=C1)OC
4,5-dimethoxy-2-ethoxyamphetamine	CCOC1=C(CCN)C=C(OC)C(=C1)OC
2-ethylamino-1-(3,4-methylenedioxyphenyl)butane	CCC(N)CC1=CC=C2OCOC2=C1
2-ethylamino-1-(3,4-methylenedioxyphenyl)pentane	CCCC(CC1=CC=C2OCOC2=C1)NCC
6-(2-aminopropyl)-5-methoxy-2-methyl-2,3-dihydrobenzofuran	COC1=C(CC(C)N)C=C2OC(C)CC2=C1
6-(2-aminopropyl)-2,2-dimethyl-5-methoxy-2,3-dihydrobenzofuran	COC1=C(CC(C)N)C=C2OC(C)(C)CC2=C1
n-hydroxy-n-methyl-3,4-methylenedioxyamphetamine	CC(CC1=CC=C2OCOC2=C1)N(C)O
2,5-dimethoxy-3,4-(trimethylene)amphetamine	COC1=C2CCCC2=C(OC)C(=C1)CC(C)N
2,5-dimethoxy-3,4-(tetramethylene)amphetamine	COC1=C2CCCCC2=C(OC)C(=C1)CC(C)N
3,6-dimethoxy-4-(2-aminopropyl)benzonorbornane	COC1=C2C3CCC(C3)C2=C(OC)C(=C1)CC(C)N
2,5-dimethoxy-3,4-dimethylamphetamine	COC1=CC(=C(OC)C(=C1C)C)CC(C)N
1,4-dimethoxynaphthyl-2-isopropylamine	COC1=CC(=C(OC)C2=C1C=CC=C2)CC(C)N
2,5-dimethoxy-4-ethylthio-n-hydroxyphenethylamine	CCSC1=CC(=C(CCNO)C=C1OC)OC
2,5-dimethoxy-n-hydroxy-4-(n)-propylthiophenethylamine	CCCSC1=CC(=C(CCNO)C=C1OC)OC
2,5-dimethoxy-4-(s)-butylthio-n-hydroxyphenethylamine	CCC(C)SC1=CC(=C(CCNO)C=C1OC)OC
2,5-dimethoxy-n,n-dimethyl-4-iodoamphetamine	COC1=CC(=C(OC)C=C1I)CC(C)N(C)C
isomescaline	COC1=C(OC)C(=C(CCN)C=C1)OC
isoproscaline	COC1=CC(=CC(=C1OC(C)C)OC)CCN
5-ethoxy-2-methoxy-4-methylamphetamine	CCOC1=CC(=C(OC)C=C1C)CC(C)N

2-amino-1-(3,4-methylenedioxyphenyl)butane	CCC(N)CC1=CC=C2OCOC2=C1
3-methoxy-4,5-methylenedioxyphenethylamine	COC1=C2OCOC2=CC(=C1)CCN
mescaline	COC1=CC(=CC(=C1OC)OC)CCN
4-methoxyamphetamine	CC(CC1=CC=C(C=C1)OC)N
2,n-dimethyl-4,5-methylenedioxyamphetamine	CNC(C)CC1=C(C)C=C2OCOC2=C1
methallylescaline	COC1=CC(=CC(=C1OCC(C)=C)OC)CCN
3,4-methylenedioxyamphetamine	CC(N)CC1=CC=C2OCOC2=C1
3,4-methylenedioxy-n-allylamphetamine	CC(CC1=CC=C2OCOC2=C1)NCC=C
3,4-methylenedioxy-n-butylamphetamine	CCCCNC(C)CC1=CC=C2OCOC2=C1
3,4-methylenedioxy-n-benzylamphetamine	CC(CC1=CC=C2OCOC2=C1)NCC3=CC=CC=C3
3,4-methylenedioxy-ncyclopropylmethylamphetamine	CC(CC1=CC=C2OCOC2=C1)NCC3CC3
3,4-methylenedioxy-n,n-dimethylamphetamine	CC(CC1=CC=C2OCOC2=C1)N(C)C
3,4-methylenedioxy-n-ethylamphetamine	CCNC(C)CC1=CC=C2OCOC2=C1
3,4-methylenedioxy-n-(2-hydroxyethyl)amphetamine	CC(CC1=CC=C2OCOC2=C1)NCCO
(3,4-methylenedioxy-n-isopropylamphetamine)	CC(C)NC(C)CC1=CC=C2OCOC2=C1
3,4-methylenedioxy-n-methylamphetamine	CNC(C)CC1=CC=C2OCOC2=C1
3,4-ethylenedioxy-n-methylamphetamine	CNC(C)CC1=CC=C2OCCOC2=C1
3,4-methylenedioxy-n-methyoxyamphetamine	CONC(C)CC1=CC=C2OCOC2=C1
3,4-methylenedioxy-n-(2-methoxyethyl)amphetamine	COCCNC(C)CC1=CC=C2OCOC2=C1
a,a,n-trimethyl-3,4-methylenedioxy-phenethylamine	CNC(C)(C)CC1=CC=C2OCOC2=C1
3,4-methylenedioxy-n-hydroxyamphetamine	CC(CC1=CC=C2OCOC2=C1)NO
3,4-methylenedioxyphenethylamine	NCCC1=CC=C2OCOC2=C1

a,a-dimethyl-3,4-methylenedioxy-phenethylamine	CC(C)(N)CC1=CC=C2OCOC2=C1
3,4-methylenedioxy-npropargylamphetamine)	CC(CC1=CC=C2OCOC2=C1)NCC#C
3,4-methylenedioxy-n-propylampheta mine	CCCNC(C)CC1=CC=C2OCOC2=C1
metaescaline	CCOC1=CC(=CC(=C1OC)OC)CCN
3-methoxy-4,5-ethylenedioxyampheta mine	COC1=C2OCCOC2=CC(=C1)CCN
4,5-diethoxy-2-methoxyamphetamine	CCOC1=CC(=C(OC)C=C1OCC)CC(C)N
2,5-dimethoxy-4-ethoxyamphetamine	CCOC1=CC(=C(CC(C)N)C=C1OC)OC
3-methoxy-4-ethoxyphenethylamine	CCOC1=CC=C(CCN)C=C1OC
5-bromo-2,4-dimethoxyamphetamine	COC1=CC(=C(CC(C)N)C=C1Br)OC
2,4-dimethoxy-5-methylthioamphetam ine	COC1=C(CC(C)N)C=C(SC)C(=C1)OC
2,5-dimethoxy-n-methylamphetamine	CNC(C)CC1=C(OC)C=CC(=C1)OC
4-bromo-2,5-dimethoxy-n-methylamp hetamine	CNC(C)CC1=C(OC)C=C(Br)C(=C1)OC
2-methylamino-1-(3,4-methylenedioxy phenyl)butane	CCC(CC1=CC=C2OCOC2=C1)NC
2-methylamino-1-(3,4-methylenedioxy phenyl)pentane	CCCC(CC1=CC=C2OCOC2=C1)NC
4-methoxy-n-methylamphetamine	CNC(C)CC1=CC=C(OC)C=C1
2-methoxy-n-methyl-4,5-methylenedi oxyamphetamine	CNC(C)CC1=C(OC)C=C2OCOC2=C1
3-methoxy-4,5-methylenedioxyamphe tamine	COC1=C2OCOC2=CC(=C1)CC(C)N
2-methoxy-4,5-methylenedioxyamphe tamine	COC1=C(CC(C)N)C=C2OCOC2=C1
2-methoxy-3,4-methylenedioxyamphe tamine	COC1=C2OCOC2=CC=C1CC(C)N
4-methoxy-2,3-methylenedioxyamphe tamine	COC1=CC=C(CC(C)N)C2=C1OCO2
2,4-dimethoxy-5-ethoxyamphetamine	CCOC1=CC(=C(OC)C=C1OC)CC(C)N
metaproscaline	CCCOC1=CC(=CC(=C1OC)OC)CCN

2,5-dimethoxy-4-(n)-propoxyamphetamine	COc1cc(OC)c(cc1OCCC)CC(C)N
4,5-dimethoxy-2-methylthioamphetamine	COC1=CC(=C(SC)C=C1OC)CC(C)N
proscaline	CCCOC1=C(OC)C=C(CCN)C=C1OC
phenescaline	COC1=CC(=CC(=C1OCCCC2=CC=CC=C2)OC)CCN
phenethylamine	NCCC1=CC=CC=C1
3,5-dimethoxy-4-(2-propynyloxy)phenethylamine	COC1=CC(=CC(=C1OCC=C)OC)CCN
symbescaline	CCOC1=CC(=CC(=C1OC)OCC)CCN
2,3,4,5-tetramethoxyamphetamine	COC1=C(OC)C(=C(OC)C(=C1)CC(C)N)OC
3-thioasymbescaline	[CH3:16][CH2:15][O:14][C:8]1=[C:1]([S:10][CH2:11][CH3:17])[CH:2]=[C:3]([CH2:5][CH2:6][NH2:7])[CH:4]=[C:9]1[O:12][CH3:13]
4-thioasymbescaline	CCOC1=CC(=CC(=C1SCC)OC)CCN
5-thioasymbescaline	CCOC1=CC(=CC(=C1OCC)SC)CCN
4-thiobuscaline	CCCCSC1=C(OC)C=C(CCN)C=C1OC
3-thioescaline	CCOC1=C(OC)C=C(CCN)C=C1SC
4-thioescaline	[CH3:16][CH2:11][S:10][C:8]1=[C:1]([O:12][CH3:13])[CH:2]=[C:3]([CH2:5][CH2:6][NH2:7])[CH:4]=[C:9]1[O:14][CH3:15]
2-thioisomescaline	COC1=C(OC)C(=C(CCN)C=C1)SC
3-thiomescaline	COC1=C(SC)C(=C(CCN)C=C1)OC
4-thioisomescaline	COC1=C(CCN)C=CC(=C1OC)SC
2-thiomescaline	COC1=CC(=CC(=C1OC)SC)CCN
4-thiomescaline	COC1=CC(=CC(=C1SC)OC)CCN
3,4,5-trimethoxyamphetamine	COC1=CC(=CC(=C1OC)OC)CC(C)N
2,4,5-trimethoxyamphetamine	COC1=C(CC(C)N)C=C(OC)C(=C1)OC
2,3,4-trimethoxyamphetamine	COC1=C(OC)C(=C(CC(C)N)C=C1)OC
2,3,5-trimethoxyamphetamine	COC1=CC(=C(OC)C(=C1)OC)CC(C)N
2,3,6-trimethoxyamphetamine	COC1=CC=C(OC)C(=C1CC(C)N)OC
2,4,6-trimethoxyamphetamine	COC1=CC(=C(CC(C)N)C(=C1)OC)OC
3-thiometaescaline	CCSC1=CC(=CC(=C1OC)OC)CCN
4-thiometaescaline	CCOC1=CC(=CC(=C1SC)OC)CCN
5-thiometaescaline	CCOC1=CC(=CC(=C1OC)SC)CCN

3,4-methylenedioxy-2-methylthioamphetamine	CSC1=C2OCOC2=CC=C1CC(C)N
6-(2-aminopropyl)-5-methoxy-1,3-benzoxathiol	COC1=C(CC(C)N)C=C2OCSC2=C1
2,4,5-trimethoxyphenethylamine	COC1=C(CCN)C=C(OC)C(=C1)OC
4-ethyl-5-methoxy-2-methylthioamphetamine	CCC1=CC(=C(CC(C)N)C=C1OC)SC
4-ethyl-2-methoxy-5-methylthioamphetamine	CCC1=CC(=C(CC(C)N)C=C1SC)OC
5-methoxy-4-methyl-2-methylthioamphetamine	COC1=CC(=C(SC)C=C1C)CC(C)N
2-methoxy-4-methyl-5-methylthioamphetamine	COC1=C(CC(C)N)C=C(SC)C(=C1)C
2-methoxy-4-methyl-5-methylsulfinylamphetamine	COC1=C(CC(C)N)C=C(C(=C1)C)[S](C)=O
thioproscaline	CCCSC1=C(OC)C=C(CCN)C=C1OC
trescaline	CCOC1=CC(=CC(=C1OCC)OCC)CCN
3-thiosymbescaline	CCOC1=C(OC)C(=CC(=C1)CCN)SCC
4-thiosymbescaline	CCOC1=CC(=CC(=C1SC)OCC)CCN
3-thiotrescaline	CCOC1=C(OCC)C(=CC(=C1)CCN)SCC
4-thiotrescaline	CCOC1=CC(=CC(=C1SCC)OCC)CCN

Section E: Interstellar Space

E.1: Common Molecules in Space

aluminum monochloride	[Al]Cl
aluminum monofluoride	[Al]F
aluminum isocyanide	[Al][C-]#[NH+]
methylidyne	[CH]
methyliumylidene	[C+]
hydrogen cyanide	CN
hydrogen isocyanide	[C-]#[NH+]
isocyanic acid	O=C=N
oxomethyl	[C+]=O
oxomethylium	[C-]=O

hydroxymethylidyne	[C+]O
hydroxyoxomethylium	O#[C+]O
thiooxomethylium	S#[C+]O
methylene	[CH2]
iminomethylium	C#[NH+]
methylene amidogen	C=[N]
cyanamide	C(#N)N
formaldehyde	C=O
formic acid	C(=O)O
thioformaldehyde	C=S
methyl	[CH3]
methanimine	C=N
formamide	C(=O)N
hydroxy methylium ion	C=[OH+]
methane	C
methanol	CO
methanethiol	CS
methylamine	CN
magnesium cyanide	[C-]#N.[C-]#N.[Mg+2]
magnesium isocyanide	[C-]#[N+].[C-]#[N+].[Mg+2]
cyanide radical	[C]#N
cyanide radical ion	[C]#[N+]
sodium cyanide	[C-]#N.[Na+]
silicon cyanide	[C-]#N.[Si+]
cyanoimidogen	[C-]#N.[N+]
carbon monoxide	[C-]#O
carbon monoxide ion	[C-]#[O+]
carbon oxysulfide	*
carbon dioxide	O=C=O
carbon dioxide ion	O=C=[O+]
carbon phosphide	[C-]#[P+]
carbon monosulfide	[C-]#[S+]
silicon carbide	[C-]#[Si+]
dicarbon	C#[C+]
ethynyl	C#[C]

cyanomethylene	CC#N
acetylene	C#C
cyanomethyl	[CH2]C#N
ketene	C=C=O
acetonitrile	CC#N
isocyanomethane	C[N+]#[C-]
ethylene	C=C
acetaldehyde	CC=O
ethylene oxide	C1CO1
ethenol	OC=C
methyl formate	COC=O
acetic acid	CC(=O)O
glycolaldehyde	C(C=O)O
ethane	CC
dimethyl ether	COC
ethylene glycol	C(CO)O
oxoethenylidene	O=C=C
thioxoethenylidene	S=C=C
silicon dicarbide	[C-]#[Si++]#[C-]
tricarbon	[C]=C=[C]
cyclopropenylidyne	C1=CC1
propenylidyne	C=CC
cyanoacetylene	C#CC#N
isocyanoacetylene	C#C[C-]#[NH+]
cyclopropenylidene	C1=C[C]1
propadienylidene	C=C=C
protonated cyanoacetylene	C#CC#[NH+]
2-propynal	C#CC=O
acrylonitrile	C=CC#N
propyne	CC#C
propanenitrile	N#CCC
acetone	CC(=O)C
cyanoethynl	C[CH]C#N
1,2-propadienylidene, 3-oxo	C=CCO
1,2-propadienylidene, thioxo	C=CCS

silicon tricarbon	[C]=C=C.[Si+]
1,3-butadiynyl	C#CC#C
butatrienylidene	C=C=C=[C]
2-butynenitrile	CC#CC#N
silicon tetracarbide	[C]=C=C=C.[Si+]
pentacarbon	C=C=C=C=C
hydrogen chloride	HCl
potassium chloride	[Cl-].[K+]
sodium chloride	[Cl-].[Na+]
hydrogen fluoride	HF
iron monoxide	O.[Fe]
lithium hydride	[H-].[Li+]
imidogen	[NH]
nitrosyl hydride	N=O
hydrodinitrogen	N#[NH+]
hydroxyl	OH
oxoniumylidene	*
mercapto	[SH]
hydrogen	[H]
amidogen	[NH2]
water	O
oxoniumyl	[OH2+]
hydrogen sulfide	S
trihydrogen ion	[H+]1[H][H]1
ammonia	N
oxonium hydride	[OH3+]
silane	[SiH4]
nitric oxide	[N]=O
phosphorous nitride	N#P
nitrogen sulfide	[N]=S
silicon nitride	N12[Si]34N5[Si]16N3[Si]25N46
nitrogen ion	N#N
nitrous oxide	[N-]=[N+]=O
sulfur monoxide	O=S
silicon monoxide	O.[Si]

sulfur dioxide	O=S=O
silicon monosulfide	[Si]=S
disulfur	S=S

Section F: Vitamins

F.1: Common Vitamins

vitamin A	CC1=C(C(CCC1)(C)C)C=CC(=CC=CC(=CCO)C)C
vitamin C	C(C(C1C(=C(C(=O)O1)O)O)O)O
vitamin D	CC(C)CCCC(C)C1CCC2C1(CCCC2=CC=C3CC(CCC3=C)O)C
vitamin E	CC1=C(C2=C(CCC(O2)(C)CCCC(C)CCCC(C)CCCC(C)C)C(=C1O)C)C
vitamin K	CC1=C(C(=O)C2=CC=CC=C2C1=O)CC=C(C)CCCC(C)CCCC(C)CCCC(C)C
thiamine	OCCC1=C(C)[N+](CC2=CN=C(C)N=C2N)=CS1
riboflavin	OC[C@H](O)[C@H](O)[C@H](O)CN(C(C=C1C)=C(C=C1C)N=C2C(N3)=O)C2=NC3=O
niacin	C1=CC(=CN=C1)C(=O)O
pantothenic acid	CC(C)(CO)C(C(=O)NCCC(=O)O)O
biotin	C1C2C(C(S1)CCCCC(=O)O)NC(=O)N2
b6	CC1=NC=C(C(=C1O)CO)CO
b12	CC1=CC2=C(C=C1C)N(C=N2)C3C(C(C(O3)CO)OP(=O)(O)OC(C)CNC(=O)CCC4(C(C5C6(C(C(C(=C(C7=NC(=CC8=NC(=C(C4=N5)C)C(C8(C)C)CCC(=O)N)C(C7(C)CC(=O)N)CCC(=O)N)C)[N-]6)CCC(=O)N)(C)CC(=O)N)C)CC(=O)N)C)O
folate	C1=CC(=CC=C1C(=O)NC(CCC(=O)O)C(=O)O)NCC2=CN=C3C(=N2)C(=O)NC(=N3)N

Section G: Amino Acids

G.1: Natural Amino Acids

alanine	C
arginine	CCCCNC(N)=N
asparagine	CCC(N)=O
aspartic acid	CC(O)=O
cysteine	CS
glutamic acid	CCC(O)=O
glutamine	CCC(N)=O
glycine	[H]
histidine	CC1=CNC=N1
isoleucine	C(CC)([H])C
leucine	CC(C)C
lysine	CCCCN
methionine	CCSC
phenylalanine	CC1=CC=CC=C1
proline	C2CCCN2
serine	CO
threonine	C(C)([H])O
tryptophan	CCC1=CNC2=C1C=CC=C2
tyrosine	CC1=CC=C(O)C=C1
valine	C(C)C

Section H: Excipients

H.1: Excipients Used For Cimetidine And Acyclovir

microcrystalline_cellulose	COC1OC(CO)C(OC2OC(CO)C(OC)C(O)C2O)C(O)C1O
corn_starch	COC4C(CO)OC(OCC2OC(OC1C(CO)OC(C)C(O)C1O)C(O)C(O)C2OC3OC(CO)C(OC)C(O)C3O)C(O)C4O
dibasic_calcium_phosphate	O.O.OP(=O)([O-])[O-].[Ca+2]
lactose	C(C1C(C(C(C(O1)OC2C(OC(C(C2O)O)O)CO)O)O)O)O
pregelatinized_starch	COC1C(O)C(O)C(OCC2OC(OC3C(O)C(O)C(C)OC3CO)C(O)C(O)C2OC2OC(CO)C(OC)C(O)C2O)OC1CO
hydroxypropyl_methylcellulose	CC(COCC1C(C(C(C(O1)OC2C(OC(C(C2OCC(C)O)OCC(C)O)OCC(C)O)COCC(C)O)OCC(C)O)OCC(C)O)OCC(C)O)O.COCC1C(C(C(C(O1)OC2C(OC(C(C2OC)OC)OC)COC)

	OC)OC)OC
sodium_starch_glycolate	NN1CC2N(C(C)=O)C(C1)CC2
sodium_lauryl_sulfate	CCCCCCCCCCCCOS(=O)(=O)[O-].[Na+]
povidone	C1CC(=O)N(C1)C(CP)P
croscarmellose_sodium	CC(=O)O.C(C(C(C(C(C(C=O)O)O)O)O)O)O.[Na]
colloidal_silicon_dioxide	O=[Si]=O
crospovidone	C1CC(=O)NC1
stearic_acid	CCCCCCCCCCCCCCCCCC(=O)O
magnesium_stearate	CCCCCCCCCCCCCCCCCC(=O)[O-].CCCCCCCCCCCCCCCCCC(=O)[O-].[Mg+2]

H.2: Monoclonal Antibodies

mannitol	C(C(C(C(C(CO)O)O)O)O)O
polysorbate 80	CCCCCCCC/C=C/CCCCCCCC(=O)OCC(C1C(C(CO1)O)O)O
sucrose	C(C1C(C(C(C(O1)OC2(C(C(C(O2)CO)O)O)CO)O)O)O)O
glycine	C(C(=O)O)N
sodium phosphate, dibasic, anhydrous	OP(=O)([O-])[O-].[Na+].[Na+]
potassium phosphate monobasic	OP(=O)(O)[O-].[K+]
sodium phosphate, monobasic, monohydrate	OP(=O)(O)[O-].[Na+]
sodium phosphate, dibasic, dihydrate	O.O.OP(=O)([O-])[O-].[Na+].[Na+]
dibasic sodium phosphate heptahydrate	O.O.O.O.O.O.O.OP(=O)([O-])[O-].[Na+].[Na+]
monobasic sodium phosphate monohydrate	O.OP(=O)(O)[O-].[Na+]
histidine	C1=C(NC=N1)CC(C(=O)O)N
sodium citrate dihydrate	C(C(=O)[O-])C(CC(=O)[O-])(C(=O)[O-])O.O.O.[Na+].[Na+].[Na+]
histidine hydrochloride monohydrate	C1=C(NC=N1)CC(C(=O)O)N.O.Cl
trehalose	C(C1C(C(C(C(O1)OC2C(C(C(C(O2)CO)O)O)O)O)O)O)O

edetate disodium dihydrate	C(CN(CC(=O)O)CC(=O)[O-])N(CC(=O)O)CC(=O)[O-].O.O.[Na+].[Na+]
sorbitol	C(C(C(C(C(CO)O)O)O)O)O
polysorbate 20	CCCCCCCCCCCC(=O)OCCOCC(C1C(C(CO1)OCCO)OCCO)OCCO
succinic acid	C(CC(=O)O)C(=O)O
ethylene glycol	C(CO)O

Section I: Chinese Medicine

I.1: How to Live Longer

metformin	CN(C)C(=N)N=C(N)N
glucosamine	NC1C(OC(C(O)C1O)CO)O
chondroitin_sulfate	CC(=O)NC1C(C(C(OC1O)OS(=O)(=O)O)O)OC2C(C(C(C(O2)C(=O)O)O)O)O
spermidine	C(CCNCCCN)CN

Section J: Sexual Wellness

J.1: Common Lubricants

water	O
glycerin	C(C(CO)O)O
dimethicone	C[Si](C)(C)O[Si](C)(C)C
vinyl dimethicone	C[Si](C)(C)O[Si](C)(C)O[Si](C)(C=C)O[Si](C)(C)C
cyclomethicone	C[Si]1(O[Si](O[Si](O[Si](O[Si](O1)(C)C)(C)C)(C)C)(C)C)C
phenyl trimethicone	C[Si](C)(C)O[Si](C1=CC=CC=C1)(O[Si](C)(C)C)O[Si](C)(C)C
cyclopentasiloxane	C[Si](O[Si]1(C)C)(O[Si](C)(O[Si](C)(C)O[Si](C)(C)O1)C)C
polyethylene glycol	COCCCCO
propylene glycol	CC(CO)O

propanediol	CCC(O)O
polyoxyethylene	CCCCCCCCC=CCCCCCCCC(=O)OCCOCC(C1C(CC(O1)OCCO)OCCO)OCCO
optifio H370VF	
carboxymethylcellulose	CC(=O)[O-].C(C(C(C(C(C(C=O)O)O)O)O)O)O
hydroxyethylcellulose	CC(COCC1C(C(C(C(O1)OC2C(OC(C(C2OCC(C)O)OCC(C)O)OCC(C)O)COCC(C)O)OCC(C)O)OCC(C)O)OCC(C)O)O
xanthan gum	CC(=O)OCC1C(C(C(C(O1)OC2C(C(OC(C2OC3C(C(C(C(O3)CO)OP)O)O)CO)CP)O)OC4C(C(C(C(O4)C(=O)O)OC5C(C(C6C(O5)COC(O6)(C)C(=O)O)O)O)O)O)O)O
agar	CC1C(C2C(C(O1)CO2)OC3C(C(C(C(O3)CO)O)OC)O)O
pectin	C1(C(C(OC(C1O)O)C(=O)O)O)O
maltodextrin	OCC(O)C(O)C(O)C(O)C=O
sodium benzoate	C1=CC=C(C=C1)C(=O)[O-].[Na+]
potassium sorbate	CC=CC=CC(=O)[O-].[K+]
chlorhexidine	C1=CC(=CC=C1NC(=NC(=NCCCCCCN=C(N)N=C(N)NC2=CC=C(C=C2)Cl)N)N)Cl
phenoxyethanol	C1=CC=C(C=C1)OCCO
pethylhexylglycerin	OC(COCC(CCCC)CC)CO
pentylene glycol	CCCC(CO)O
methylparaben	COC(=O)C1=CC=C(C=C1)O
propylparaben	CCCOC(=O)C1=CC=C(C=C1)O
butylparaben	CCCCOC(=O)C1=CC=C(C=C1)O
phthalates	COC(=O)C1=CC=CC=C1C(=O)OC
chlorhexidine digluconate	C1=CC(=CC=C1NC(=NC(=NCCCCCCN=C(N)N=C(N)NC2=CC=C(C=C2)Cl)N)N)Cl.C(C(C(C(C(C(C(=O)O)O)O)O)O)O)O.C(C(C(C(C(C(=O)O)O)O)O)O)O)O
diazolidinyl urea	C(NC(=O)N(CO)C1C(=O)N(C(=O)N1CO)CO)O
sucralose	C(C1C(C(C(C(O1)OC2(C(C(C(O2)CCl)O)O)CCl)O)O)Cl)O
sodium saccharine	C1=CC=C2C(=C1)C(=O)NS2(=O)=O.[Na+
rebaudioside a	CC12CCCC(C1CCC34C2CCC(C3)(C(=C)C4)OC5C(C(C(C(O5)CO)O)OC6C(C(C(C(O6)CO)O)O)O)OC7C(C(C(C(O7)CO)O)O)O)(C)C(=O)OC8C(C(C(C(O8)CO)O)O)O

tocopheryl acetate	CC1=C(C(=C(C2=C1OC(CC2)(C)CCCC(C)CCCC(C)CCCC(C)C)C)OC(=O)C)C
sodium hydroxide	NaO
gluconolactone	C(C1C(C(C(C(=O)O1)O)O)O)O
sodium hyaluronate	CC(=O)NC1CC(C(OC1OC2C(C(C(OC2C(=O)[O-])O)O)O)CO)O.[Na+]
castor oil	CCCCCCC(CC=CCCCCCCCC(=O)OCC(COC(=O)CCCCCCC=CCC(CCCCCC)O)OC(=O)CCCCCCCC=CCC(CCCCCC)O)O
benzocaine	CCOC(=O)C1=CC=C(C=C1)N

J.2: Common Drugs Used in Tainted Sexual Enhancements

sildenafil	CCCC1=NN(C2=C1N=C(NC2=O)C3=C(C=CC(=C3)S(=O)(=O)N4CCN(CC4)C)OCC)C
tadalafil,	CN1CC(=O)N2C(C1=O)CC3=C(C2C4=CC5=C(C=C4)OCO5)NC6=CC=CC=C36
nitroglycerin	C(C(CO[N+](=O)[O-])O[N+](=O)[O-])O[N+](=O)[O-]

J.3: Common Ingredients Used in Sexual Wellness

water	O
sodium hydroxide	[OH-].[Na+]
glycerin	C(C(CO)O)O
propylene glycol	CC(CO)O
hydroxyethylcellulose	CC(COCC1C(C(C(C(O1)OC2C(OC(C(C2OCC(C)O)OCC(C)O)OCC(C)O)COCC(C)O)OCC(C)O)OCC(C)O)OCC(C)O)O
sodium benzoate	C1=CC=C(C=C1)C(=O)[O-].[Na+]
potassium sorbate	CC=CC=CC(=O)[O-].[K+]
sodium saccharine	C1=CC=C2C(=C1)C(=O)NS2(=O)=O.[Na+]
citric acid	C(C(=O)O)C(CC(=O)O)(C(=O)O)O
rebaudioside a	CC12CCCC(C1CCC34C2CCC(C3)(C(=C)C4)OC5C(C(C(C(O5)CO)O)OC6C(C(C(C(O6)CO)O)O)O)OC7C(C(C(C(O7)CO)O)O)O)(C)C(=O)OC8C(C(C(C(O8)CO)O)O)O

sunflower seed oil	N12C(N([H])[H])=NC([H])([H])C1([H])C1=C([H])C([H])=C([H])C([H])=C1C([H])([H])C1=C([H])C([H])=C([H])C([H])=C21
polyglyceryl 6 distearate	CCCCCCCCCCCCCCCCCC(=O)OCC(COCC(COCC(COC(=O)CCCCCCCCCCCCCCCCC)O)O)O
beeswax	CCCCCCCCCCCCCCCCCCCCCCCCCC.CCCCCCCCCCCCCCCCCCCCCCCCCCCCC.CCCCCCCCCCCCCCCCCCCCCCCCCCCCCC.CCCCCCCCCCCCCCCCCCCCCCCCC.CCCCCCCCCCCCCCCCCCCCCC.CCCCCCCCCCCCCCCCC(=O)O.CC(CCCCCCCCCCCCCC(=O)[O-])O.CCCCCCCCC=CCCCCCCCC(=O)O
sodium acrylate	C=CC(=O)[O-].[Na+]
shea butter oil	CCCCCCCCC=CCCCCCCCC(=O)O.CCCCCCCCCCCCCCCCCC(=O)O.CCCCCCCCCCCCCCCCC(=O)O.CCCCC/C=C\C/C=C\CCCCCCCC(=O)O
tocopherol	CC1=C(C2=C(CCC(O2)(C)CCCC(C)CCCC(C)CCCC(C)C)C(=C1O)C)C
jojoba oil	CCCCCCCCC=CCCCCCCCC=O.CCCCCCCCC=CCCCCCCCCCO.CCCCCCCCC=CCCCCCCCCCCCO[Si](C)(C)C(C)(C)C.CCCCCCCCC=CCCCCCCCCCCCCCC(=O)O
lecithin	CCCCCCCCC(=O)OC(COC(=O)CCCCCCCC=CCC=CCCCCC)COP(=O)(CC[N+](C)(C)C)[O-]
cetyl alcohol	OCCCCCCCCCCCCCCCC
polyglyceryl-3 beeswax	C(C(CO)O)O.CCCCCCCCCCCCCCCCCCCCCCCCCCC.CCCCCCCCCCCCCCCCCCCCCCCCCCCCC.CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC.CCCCCCCCCCCCCCCCCCCCCCCCCC.CCCCCCCCCCCCCCCCCCCCCC.CCCCCCCCCCCCCCCCC(=O)O.CC(CCCCCCCCCCCCCC(=O)[O-])O.CCCCCCCCC=CCCCCCCCC(=O)O
xanthan gum	CC(=O)OCC1C(C(C(C(O1)OC2C(C(OC(C2OC3C(C(C(C(O3)CO)OP)O)O)CO)CP)O)OC4C(C(C(C(O4)C(=O)O)OC5C(C(C6C(O5)COC(O6)(C)C(=O)O)O)O)O)O)O)O
benzyl alcohol	C1=CC=C(C=C1)CO
polyglyceryl-6 disterate	CCCCCCCCCCCCCCCCCC(=O)O.C(C(COCC(COCC(COCC(COCC(COCC(CO)O)O)O)O)O)O)O
ethyl menthane carboxamide	CCNC(=O)C1CC(CCC1C(C)C)C
caprylic acid	CCCCCCCC(=O)O
capric triglyceride	CCCCCCCCCCCCCCCC(=O)O.C(C(CO)O)O

isopropyl palmitate	CCCCCCCCCCCCCCCC(=O)OC(C)C
prunus amygdalus dulcis oil	CS(=O)(=O)O.CS(=O)(=O)O.C=CCNC1=NC(=NC(=N1)N2CCN(CC2)C(C3=CC=C(C=C3)F)C4=CC=C(C=C4)F)NCC=C
hydrated silica	O.O=[Si]=O
parfum	CCOC(=O)C1=CC=CC=C1C(=O)OCC
synthetic fluorphlogopite	[O-2].[O-2].[O-2].[O-2].[O-2].[O-2].[O-2].[O-2].[O-2].[O-2].[F-].[F-].[Mg+2].[Mg+2].[Mg+2].[Al+3].[Si+4].[Si+4].[Si+4].[K+]
iron hydroxide	[OH-].[OH-].[OH-].[Fe+3]
titanium dioxide	O=[Ti]=O
hexyl cinnamal	CCCCCCC(=CC1=CC=CC=C1)C=O
linalool	CC(=CCCC(C)(C=C)O)C
citronellol	CC(CCC=C(C)C)CCO
alpha isomethyl ionone	CC1=CCCC(C1C=C(C)C(=O)C)(C)C
benzyl salicylate	C1=CC=C(C=C1)COC(=O)C2=CC=CC=C2O
citral	O=CC=C(C)CCC=C(C)C
eugenol	COC1=C(C=CC(=C1)CC=C)O
amyl cinnamal	CCCCCC(=CC1=CC=CC=C1)C=O
isoeugenol	C/C=C/C1=CC(=C(C=C1)O)OC
sesame seed oil	CCCCCCCCCCCCCCCCCC(=O)O.CCCCCCCCCCCCCCCC(=O)O.CCCCCCCCC=CCCCCCCCC(=O)O.CCCCCC=CCC=CCCCCCCCC(=O)O
orbignya oleifera seed oil	CCCCCCCCCCCC(=O)O.CCCCCCCCCCCCCC(=O)O.CCCCCCCCC=CCCCCCCCC(=O)O
macadamia ternifolia seed oil	O=C(O)CCCCCCC\C=C/CCCCCC
limonene	CC1=CCC(CC1)C(=C)C
avocado oil	CCCCCCCCCCCCCCCCCC(=O)OCC.CCCCCCCCCCCCCCCC(=O)OCC.CCCCCCCCC=CCCCCCCCC(=O)OCC.CCCCCCC=CCCCCCCCC(=O)OCC.CCCCCC=CCC=CCCCCCCCC(=O)OCC.CCC=CCC=CCC=CCCCCCCCC(=O)OCC
coconut oil	CCCCCCCCCCCC(=O)OC(COC(=O)CCCCCCC)COC(=O)CCCCCCCCC
hydroxycitronellal	CC(CCCC(C)(C)O)CC=O
geraniol	CC(=CCC/C(=C/CO)/C)C
cinnamyl alcohol	C1=CC=C(C=C1)C=CCO

coumarin	C1=CC=C2C(=C1)C=CC(=O)O2
phenoxyethanol	C1=CC=C(C=C1)OCCO
butylphenyl methylpropional	CC(CC1=CC=C(C=C1)C(C)(C)C)C=O
apricot kernel oil	C1=CC=C(C=C1)C(C#N)OC2C(C(C(C(O2)COC3C(C(C(C(O3)CO)O)O)O)O)O)O
aloe vera leaf juice	CC1=CC=C(C=C1)C(=O)C=CC2=CC(=CC=C2)[N+](=O)[O-]

J.4: Oral Contraceptives Approved in the US

desogestrel	CCC12CC(=C)C3C(C1CCC2(C#C)O)CCC4=CCCCC34
dienogest	CC12CCC3=C4CCC(=O)C=C4CCC3C1CCC2(CC#N)O
drospirenone	CC12CCC(=O)C=C1C3CC3C4C2CCC5(C4C6CC6C57CCC(=O)O7)C
estradiol	CC12CCC3C(C1CCC2O)CCC4=C3C=CC(=C4)O
estradiol valerate	CCCCC(=O)OC1CCC2C1(CCC3C2CCC4=C3C=CC(=C4)O)C
estriol	CC12CCC3C(C1CC(C2O)O)CCC4=C3C=CC(=C4)O
estrone	CC12CCC3C(C1CCC2=O)CCC4=C3C=CC(=C4)O
ethinyl estradiol	CC12CCC3C(C1CCC2(C#C)O)CCC4=C3C=CC(=C4)O
etonogestrel	CCC12CC(=C)C3C(C1CCC2(C#C)O)CCC4=CC(=O)CCC34
levonorgestrel	CCC12CCC3C(C1CCC2(C#C)O)CCC4=CC(=O)CCC34
mestranol	CC12CCC3C(C1CCC2(C#C)O)CCC4=C3C=CC(=C4)OC
norelgestromin	CCC12CCC3C(C1CCC2(C#C)O)CCC4=CC(=NO)CCC34
norethisterone	CC12CCC3C(C1CCC2(C#C)O)CCC4=CC(=O)CCC34
norethisterone acetate	CC(=O)OC1(CCC2C1(CCC3C2CCC4=CC(=O)CCC34)C)C#C
norethynodre	CC12CCC3C(C1CCC2(C#C)O)CCC4=C3CCC(=O)C4
norgestimate	CCC12CCC3C(C1CCC2(C#C)OC(=O)C)CCC4=CC(=NO)CCC34
progesterone	CC(=O)C1CCC2C1(CCC3C2CCC4=CC(=O)CCC34C)

	C

Section K: Food

K.1: Salt

siedesalz	[Na+].[Cl-]
black salt	[Na+].[Cl-].[Na+].[O-]S([O-])(=O)=O.OS(=O)(=O)[O-].[O-]S(=O)(=O)[O-].[Fe+3]
finegrained salt	[Na+].[Cl-]
himalayan salt	[Na+].[Cl-].[K+].[Fe+3]
iodised salt	[Na+].[Cl-].[I-]
kosher salt	[Na+].[Cl-]
pink salt	[Na+].[Cl-].[K+].[Fe+3]
potassium salt	[K+].[Cl-].[I-]
refined salt	[Na+].[Cl-].[O-][Si](=O)[O-].[O-][Si](=O)[O-].[Al+3].C(=O)([O-])[O-].[Mg+2]
sea salt	[Na+].[K+].[Mg+2].[Ca+2].[Cl-]
smoked salt	[a].[Na+].[K+].[Mg+2].[Ca+2].[Cl-]
sodium iodide	[Na+].[I-]
unrefined salt	[Na+].[K+].[Mg+2].[Ca+2].[Cl-].[Zn+2].[Cu+].[Fe+3].[P]
rock salt	[Na+].[Cl-]

Section L: U.S FDA Colour Additive Lists Used in Food & Cosmetics

L.1: Colour Additives Subject to Certification in Food

fd&c blue #1	[Na+].[Na+].[O-]S(=O)(=O)c1cccc(c1)CN(c2ccc(cc2)/C(=C4/C=CC(=[N+](CC)Cc3cccc(c3)S([O-])(=O)=O)/C=C/4)c5ccccc5S([O-])(=O)=O)CC

fd&c blue #1 Aluminum Lake	CCN(CC1=CC(=CC=C1)S(=O)(=O)[O-])C2=CC=C(C=C2)C(=C3C=CC(=[N+](CC)CC4=CC(=CC=C4)S(=O)(=O)[O-])C=C3)C5=CC=CC=C5S(=O)(=O)[O-].CCN(CC1=CC(=CC=C1)S(=O)(=O)[O-])C2=CC=C(C=C2)C(=C3C=CC(=[N+](CC)CC4=CC(=CC=C4)S(=O)(=O)[O-])C=C3)C5=CC=CC=C5S(=O)(=O)[O-].CCN(CC1=CC(=CC=C1)S(=O)(=O)[O-])C2=CC=C(C=C2)C(=C3C=CC(=[N+](CC)CC4=CC(=CC=C4)S(=O)(=O)[O-])C=C3)C5=CC=CC=C5S(=O)(=O)[O-].[Al+3].[Al+3]
fd&c blue #2	C1=CC(=CC=C1C2=CC=C(C=C2)N=NC3=C(C=C4C=CC(=CC4=C3O)N)S(=O)(=O)[O-])N=NC5=C(C6=C(C=C(C=C6C=C5S(=O)(=O)[O-])S(=O)(=O)[O-])N)O.[Na+].[Na+].[Na+]
fd&c blue #2 Aluminum Lake on alumina	O=S(c1ccc2c(C(/C(N2)=C3C(c4c(N/3)ccc(S(=O)([O-])=O)c4)=O)=O)c1)([O-])=O.O=S(c5ccc6c(C(/C(N6)=C7C(c8c(N/7)ccc(S(=O)([O-])=O)c8)=O)=O)c5)([O-])=O.O=S(c9ccc%10c(C(/C(N%10)=C%11C(c%12c(N/%11)ccc(S(=O)([O-])=O)c%12)=O)=O)c9)([O-])=O.[AlH3+3].[AlH3+3]
fd&c green #3	CCN(CC1=CC(=CC=C1)S(=O)(=O)O)C2=CC=C(C=C2)C(=C3C=CC(=[N+](CC)CC4=CC(=CC=C4)S(=O)(=O)O)C=C3)C5=CC=CC=C5
fd&c red #3	[Na+].[Na+].[O-]C(=O)C1=CC=CC=C1C1=C2C=C(I)C(=O)C(I)=C2OC2=C(I)C([O-])=C(I)C=C12
fd&c red #40 and its Aluminum Lake	CC1=CC(=C(C=C1S(=O)(=O)[O-])OC)N=NC2=C(C=CC3=C2C=CC(=C3)S(=O)(=O)[O-])O.[AlH3+3]
fd&c yellow #5	C1=CC(=CC=C1N=NC2C(=NN(C2=O)C3=CC=C(C=C3)S(=O)(=O)[O-])C(=O)[O-])S(=O)(=O)[O-].[Na+].[Na+].[Na+]
fd&c yellow #5 Aluminum Lake	C1=CC(=CC=C1N=NC2C(=NN(C2=O)C3=CC=C(C=C3)S(=O)(=O)[O-])C(=O)[O-])S(=O)(=O)[O-].[AlH3+3]
fd&c yellow #6	C1=CC(=CC=C1N=NC2=C(C=CC3=C2C=CC(=C3)S(=O)(=O)[O-])O)S(=O)(=O)[O-].[Na+].[Na+]

fd&c lakes	[AlH3+3].[Ca+2]
citrus red #2	COC1=CC(=C(C=C1)OC)N=NC2=C(C=CC3=CC=CC=C32)O

L.2: Colour Additives Subject to Certification in Cosmetics and Drugs

d&c black #2	[C]
d&c black #3	[O-]P(=O)([O-])[O-].[Ca+2].[Ca+2].[Ca+2].C(=O)([O-])[O-].[Ca+2].[C]
d&c green #5	CC1=CC(=C(C=C1)NC2=C3C(=C(C=C2)NC4=C(C=C(C=C4)C)S(=O)(=O)[O-])C(=O)C5=CC=CC=C5C3=O)S(=O)(=O)[O-].[Na+].[Na+]
d&c orange #5	C1=CC=C2C(=C1)C(=O)OC23C4=CC(=C(C(=C4OC5=C(C(=C(C=C35)Br)O)Br)Br)O)Br.C1=CC=C2C(=C1)C(=O)OC23C4=C(C(=C(C=C4)O)Br)OC5=C3C=CC(=C5Br)O.C1=CC=C(C(=C1)C2=C3C=C(C(=O)C(=C3OC4=C(C(=C(C=C24)Br)[O-])Br)Br)Br)C(=O)[O-].[Na+].[Na+]
d&c red #6	CC1=CC(=C(C=C1)N=NC2=C(C(=CC3=CC=CC=C32)C(=O)O)[O-])S(=O)(=O)[O-].[Na+].[Na+]
d&c red #7	CC1=CC(=C(C=C1)N=NC2=C(C(=CC3=CC=CC=C32)C(=O)O)[O-])S(=O)(=O)[O-].[Ca+2]
d&c red #21	C1=CC=C2C(=C1)C(=O)OC23C4=CC(=C(C(=C4OC5=C(C(=C(C=C35)Br)O)Br)Br)O)Br
d&c red #22	C1=CC=C(C(=C1)C2=C3C=C(C(=O)C(=C3OC4=C(C(=C(C=C24)Br)[O-])Br)Br)Br)C(=O)[O-].[Na+].[Na+]
d&c red #27	C1=C2C(=C(C(=C1Br)O)Br)OC3=C(C(=C(C=C3C24C5=C(C(=C(C(=C5Cl)Cl)Cl)Cl)C(=O)O4)Br)O)Br
d&c red #28	C1=C2C(=C3C=C(C(=O)C(=C3OC2=C(C(=C1Br)[O-])Br)Br)Br)C4=C(C(=C(C(=C4Cl)Cl)Cl)Cl)C(=O)[O-].[Na+].[Na+]
d&c red #30	CC1=CC(=CC2=C1C(=O)C(=C3C(=O)C4=C(S3)C=C(C=C4C)Cl)S2)Cl
d&c red #33	C1=CC=C(C=C1)N=NC2=C(C3=C(C=C(C=C3C=C2S(=O)(=O)O)S(=O)(=O)O)N)O
d&c red #36	C1=CC=C2C(=C1)C=CC(=C2N=NC3=C(C=C(C=C3)[N+](=O)[O-])Cl)O
d&c yellow #10	C1=CC=C2C(=C1)C(=O)C(C2=O)C3=NC4=C(C=C(C=C4C=C3)S(=O)(=O)O)S(=O)(=O)O

d&c lakes	[Na+].[Zr+2].[Ca+2]

L.3: Colour Additives Subject to Certification in Externally Applied Cosmetics and Drugs

d&C brown #1	CC1=CC(=C(C=C1)NN=C2C(=O)C=CC(=NNC3=CC=C(C=C3)S(=O)(=O)[O-])C2=O)C.[Na+]
fD&C red #4	CC1=CC(=C(C=C1N=NC2=C(C3=CC=CC=C3C(=C2)S(=O)(=O)O)O)S(=O)(=O)O)C
d&c red #17	C1=CC=C(C=C1)N=NC2=CC=C(C=C2)N=NC3=C(C=CC4=CC=CC=C43)O
d&c red #31	C1=CC=C(C=C1)N=NC2=C(C(=CC3=CC=CC=C32)C(=O)O)[O-].C1=CC=C(C=C1)N=NC2=C(C(=CC3=CC=CC=C32)C(=O)O)[O-].[Ca+2]
d&c red #34	C1=CC=C2C(=C1)C=CC(=C2S(=O)(=O)[O-])N=NC3=C(C(=CC4=CC=CC=C43)C(=O)O)[O-].[Ca+2]
d&c red #39	C1=CC=C(C(=C1)C(=O)O)N=NC2=CC=C(C=C2)N(CCO)CCO
d&c violet #2	CC1=CC=C(C=C1)NC2=C3C(=C(C=C2)O)C(=O)C4=CC=CC=C4C3=O
d&c blue #4	CCN(CC1=CC=C(C=C1)S(=O)(=O)[O-])C2=CC=C(C=C2)C(=C3C=CC(=[N+](CC)CC4=CC=C(C=C4)S(=O)(=O)[O-])C=C3)C5=CC=CC=C5S(=O)(=O)[O-].[NH4+].[NH4+]
d&c green #6	CC1=CC=C(C=C1)NC2=C3C(=C(C=C2)NC4=CC=C(C=C4)C)C(=O)C5=CC=CC=C5C3=O
d&c green #8	C1=CC2=C3C(=C(C=C2S(=O)(=O)[O-])S(=O)(=O)[O-])C=CC4=C(C=C(C1=C43)O)S(=O)(=O)[O-].[Na+].[Na+].[Na+]
d&c yellow #7	C1=CC2=C(C=C1S(=O)(=O)[O-])C(=C(C=C2[N+](=O)[O-])[N+](=O)[O-])[O-].[Na+].[Na+]
d&c yellow #8	C1=CC=C(C(=C1)C2=C3C=CC(=O)C=C3OC4=C2C=CC(=C4)[O-])C(=O)[O-].[Na+].[Na+]
d&c yellow #11	C1=CC=C2C(=C1)C=CC(=N2)C3C(=O)C4=CC=CC=C4C3=O
d&c orange #4	C1=CC=C2C(=C1)C=CC(=C2N=NC3=CC=C(C=C3)S(=O)(=O)O)O.[Na+]

d&c orange #10	C1=CC2=C(C(=C1)I)C(=O)OC23C4=C(C=C(C=C4)O)OC5=C3C=CC(=C5I)O
d&c orange #11	C1=CC=C2C(=C1)C(=O)OC23C4=C(C=C(C=C4)O)OC5=C3C=CC(=C5)O

L.4: Colour Additives Exempt From Certification in Food

algae meal, dried	[*:1].C(C1C(C(C(C(O1)OC2(C(C(C(O2)CO)O)O)CO)O)O)O)O.C(C1C(C(C(C(O1)O)O)O)O)O.C1C(C(C(C(O1)(CO)O)O)O)O.C1(C(C(C(C(C1OP(=O)([O-])[O-])OP(=O)([O-])[O-])OP(=O)([O-])[O-])OP(=O)([O-])[O-])OP(=O)([O-])[O-])OP(=O)([O-])[O-].[Ca+2].[Ca+2].[Ca+2].[Ca+2].[Ca+2].[Ca+2].CCOC1=CC2=C(C=C1)NC(C=C2C)(C)C
annatto extract	CC(=CC=CC=C(C)C=CC=C(C)C=CC(=O)O)C=CC=C(C)C=CC(=O)O
astaxanthin	CC1=C(C(CC(C1=O)O)(C)C)C=CC(=CC=CC(=CC=CC=C(C)C=CC=C(C)C=CC2=C(C(=O)C(CC2(C)C)O)C)C)C
astaxanthin dimethyldisuccinate	CC1=C(C(CC(C1=O)O)(C)C)C=CC(=CC=CC(=CC=CC=C(C)C=CC=C(C)C=CC2=C(C(=O)C(CC2(C)C)O)C)C)C.COC(=O)CCC(=O)OC
beet juice	CC1=C(SC=[N+]1CC2=CN=C(N=C2N)C)CCO.CC1=CC2=C(C=C1C)N(C3=NC(=O)NC(=O)C3=N2)CC(C(C(CO)O)O)O.C1=CC(=CN=C1)C(=O)N.CC(C)(CO)C(C(=O)NCCC(=O)O)O.CC1=NC=C(C(=C1O)CO)CO.C1=CC(=CC=C1C(=O)NC(CCC(=O)O)C(=O)O)NCC2=CN=C3C(=N2)C(=O)NC(=N3)N.CC1=CC2=C(C=C1C)N(C=N2)C3C(C(C(O3)CO)OP(=O)([O-])OC(C)CNC(=O)CCC4(C(C5C6(C(C(C(=N6)C(=C7C(C(C(=N7)C=C8C(C(C(=N8)C(=C4[N-]5)C)CCC(=O)N)(C)C)CCC(=O)N)(C)CC(=O)N)C)CCC(=O)N)(C)CC(=O)N)C)CC(=O)N)C)O.[C-]#N.[Co+3].CC1(CCC2(CCC3(C(=CCC4C3(CCC5C4(CCC(C5(C)COS(=O)(=O)O)O)C)C)C2C1)C)C(=O)O)C.CC1COC(C2C1C3C(C3(C)C)CCC2(C)O)O.CC1=C(C(CCC1)(C)C)C=CC(=CC=CC(=CC=CC=C(C)C=CC=C(C)C=CC2=C(CCCC2(C)C)C)C)C.C1=CC=C2C(=C1)C=CC(=O)O2.C1=CC(=CC=C1C=CC(=O)OCC2C(C(C(C(O2)OC3=C(OC4=CC(=CC(=C4C3=O)O)O)O)C5=CC=C(C=C5)O)O)O)O)O.C1=CC(=CC=C1C2=C(C(=O)C3=C(C=C(C=C3O2)O)O)OC4C(C(C(C(O4)CO)O)O)O)O.COC1=CC(=C2C(=C1)OC(=C(C2=O)O)C3=CC=C(C=C3)O)O.COC

	1=CC(=C2C(=C1)OC(=C(C2=O)O)C3=CC(=C(C=C3)O)O)O.C1=CC(=CC=C1C2=C(C(=O)C3=C(C=C(C=C3O2)O)O)O)O.C1=CC=C(C=C1)O.CC1(C2CCC3(C(C2(CCC1OC4C(C(C(CO4)OC5C(C(C(CO5)O)O)O)OC6C(C(C(C(O6)CO)O)O)O)OC7C(C(C(C(O7)CO)O)O)OC8C(C(C(C(O8)CO)O)O)O)C)CCC91C3(CC(C2(C9CC(CC2)(C)C=O)CO1)O)C)C)C.C1C2C(CC(N2)(C(C1O)O)O)O.C1CC2(C(C(C(C1N2)O)O)O)O.C1C(C2C(C(C(C1(N2)O)O)O)O)O.C1CC2(C(C(C(C1N2)O)O)O)O.CC1=C(CN2CCCC2C1)C3=CC=C(C=C3)OC4C(C(C(C(O4)COC(=O)C=CC5=CC=C(C=C5)O)O)O)O.CC(C(C(=O)O)N)O.CC(C)C(C(=O)O)N.C(C(C(=O)O)N)SSCC(C(=O)O)N.CSCCC(C(=O)O)N.CCC(C)C(C(=O)O)N.CC(C)CC(C(=O)O)N.C(CCN)CC(C(=O)O)N.C1=CC=C(C=C1)CC(C(=O)O)N.C1=C(NC=N1)CC(C(=O)O)N.C(CC(C(=O)O)N)CN=C(N)N.C(CC(=O)O)C(C(=O)O)N.C1CC(NC1)C(=O)O.CC(C(=O)O)N.C1=CC(=CC=C1CC(C(=O)O)N)O.[Mn].[Mg].[K].[Na].[Fe].[Zn].[Cu].[B].[Se].O=[Si]=O
beet powder	CC1=C(SC=[N+]1CC2=CN=C(N=C2N)C)CCO.CC1=CC2=C(C=C1C)N(C3=NC(=O)NC(=O)C3=N2)CC(C(C(CO)O)O)O.C1=CC(=CN=C1)C(=O)N.CC(C)(CO)C(C(=O)NCCC(=O)O)O.CC1=NC=C(C(=C1O)CO)CO.C1=CC(=CC=C1C(=O)NC(CCC(=O)O)C(=O)O)NCC2=CN=C3C(=N2)C(=O)NC(=N3)N.CC1=CC2=C(C=C1C)N(C=N2)C3C(C(C(O3)CO)OP(=O)([O-])OC(C)CNC(=O)CCC4(C(C5C6(C(C(C(=N6)C(=C7C(C(C(=N7)C=C8C(C(C(=N8)C(=C4[N-]5)C)CCC(=O)N)(C)C)CCC(=O)N)(C)CC(=O)N)C)CCC(=O)N)(C)CC(=O)N)C)CC(=O)N)C)O.[C-]#N.[Co+3].CC1(CCC2(CCC3(C(=CCC4C3(CCC5C4(CCC(C5(C)COS(=O)(=O)O)O)C)C)C2C1)C)C(=O)O)C.CC1COC(C2C1C3C(C3(C)C)CCC2(C)O)O.CC1=C(C(CCC1)(C)C)C=CC(=CC=CC(=CC=CC=C(C)C=CC=C(C)C=CC2=C(CCCC2(C)C)C)C)C.C1=CC=C2C(=C1)C=CC(=O)O2.C1=CC(=CC=C1C=CC(=O)OCC2C(C(C(C(O2)OC3=C(OC4=CC(=CC(=C4C3=O)O)O)O)C5=CC=C(C=C5)O)O)O)O)O.C1=CC(=CC=C1C2=C(C(=O)C3=C(C=C(C=C3O2)O)O)OC4C(C(C(C(O4)CO)O)O)O)O.COC1=CC(=C2C(=C1)OC(=C(C2=O)O)C3=CC=C(C=C3)O)O.COC1=CC(=C2C(=C1)OC(=C(C2=O)O)C3=CC(=C(C=C3)O)O)O.C1=CC(=CC=C1C2=C(C(=O)C3=C(C=C(C=C3O2)O)O)O)O.C1=CC=C(C=C1)O.CC1(C2CCC3(C(C2(CCC1OC4C(C(C(CO4)OC5C(C(C(CO5)O)O)O)OC6C(C(C(C(O6)CO)O)O)O)OC7C(C(C(C(O7)CO)O)O)OC8C(C(C(C(O8)CO)O)O)O)C)

	CCC91C3(CC(C2(C9CC(CC2)(C)C=O)CO1)O)C)C)C.C1C2C(CC(N2)(C(C1O)O)O)O.C1CC2(C(C(C(C1N2)O)O)O)O.C1C(C2C(C(C(C1(N2)O)O)O)O)O.C1CC2(C(C(C(C1N2)O)O)O)O.CC1=C(CN2CCCC2C1)C3=CC=C(C=C3)OC4C(C(C(C(O4)COC(=O)C=CC5=CC=C(C=C5)O)O)O)O.CC(C(C(=O)O)N)O.CC(C)C(C(=O)O)N.C(C(C(=O)O)N)SSCC(C(=O)O)N.CSCCC(C(=O)O)N.CCC(C)C(C(=O)O)N.CC(C)CC(C(=O)O)N.C(CCN)CC(C(=O)O)N.C1=CC=C(C=C1)CC(C(=O)O)N.C1=C(NC=N1)CC(C(=O)O)N.C(CC(C(=O)O)N)CN=C(N)N.C(CC(=O)O)C(C(=O)O)N.C1CC(NC1)C(=O)O.CC(C(=O)O)N.C1=CC(=CC=C1CC(C(=O)O)N)O.[Mn].[Mg].[K].[Na].[Fe].[Zn].[Cu].[B].[Se].O=[Si]=O
beta-apo-8'-carotenal	CC1=C(C(CCC1)(C)C)C=CC(=CC=CC(=CC=CC=C(C)C=CC=C(C)C=O)C)C
beta carotene	CC1=C(C(CCC1)(C)C)C=CC(=CC=CC(=CC=CC=C(C)C=CC=C(C)C=CC2=C(CCCC2(C)C)C)C)C
butterfly pea flower extract	C1=C(C=C(C(=C1O)[O-])O)C2=C(C=C3C(=CC(=O)C=C3O2)O)OC4C(C(C(C(O4)CO)O)O)O
calcium carbonate	C(=O)([O-])[O-].[Ca+2]
canthaxanthin	CC1=C(C(CCC1=O)(C)C)C=CC(=CC=CC(=CC=CC=C(C)C=CC=C(C)C=CC2=C(C(=O)CCC2(C)C)C)C)C
caramel	*
carmine	CC1=C2C(=CC(=C1C(=O)O)O)C(=O)C3=C(C2=O)C(=C(C(=C3O)O)C4C(C(C(C(O4)CO)O)O)O)O
carrot oil	CC1=CCC2CC1C2(C)C.CC1(C2CCC(C2)C1=C)C.CC1(C2CCC(=C)C1C2)C.CC(C)C12CCC(=C)C1C2.CC(=CCCC(=C)C=C)C.CC1=CCC(=CC1)C(C)C.CC1=CCC(CC1)C(=C)C.CC1=CCC(CC1)C(=C)CCC=C(C)C.CC(=CCCC(=CCOC(=O)C)C)C.CC1=CCC2(CCC(C2(CC1)O)C(C)C)C.CC1=C(C(CCC1)(C)C)C=CC(=CC=CC(=CC=CC=C(C)C=CC=C(C)C=CC2=C(CCCC2(C)C)C)C)C.CC1=C(C(CCC1)(C)C)C=CC(=CC=CC(=CCO)C)C.CC1=CC2=C(C=C1C)N(C3=NC(=O)NC(=O)C3=N2)CC(C(C(CO)O)O)O.C(C(C1C(=C(C(=O)O1)O)O)O)O.CC(C)CCCC(C)C1CCC2C1(CCCC2=CC=C3CC(CCC3=C)O)C.CC1=C(C2=C(CCC(O2)(C)CCCC(C)CCCC(C)CCCC(C)C)C(=C1O)C)C.CCC=CCC=CCC=CCCCCCCC(=O)O
cochineal extract	CC1=C2C(=CC(=C1C(=O)O)O)C(=O)C3=C(C2=O)C(=C(C(=C3O)O)C4C(C(C(C(O4)CO)O)O)O)O

corn endosperm oil	CCC=CCC=CCC=CCCCCCCCC(=O)O.CCC=CCC=CCC=CCC=CCCCC(=O)O.CCC=CCC=CCC=CCC=CCC=CCCC(=O)O.CCCCCCCCC=CCCCCCCCCCCCCC(=O)O.CCCCCCCCC=CCCCCCCC(=O)O.CCCCCCCCC=CCCCCCCCCCCCC(=O)O.CCCCCCCCC=CCCCCCCCC(=O)O
cottonseed flour	*
ferrous gluconate	C(C(C(C(C(C(=O)[O-])O)O)O)O)O.C(C(C(C(C(C(=O)[O-])O)O)O)O)O.O.O.[Fe+2]
ferrous lactate	CC(C(=O)O)O.CC(C(=O)O)O.[Fe]
fruit juice	*
grape color extract	C1=CC=C(C=C1)C2=[O+]C3=CC=CC=C3C=C2
grape skin extract	CC1=CC(=C(C2=C1CC(C(O2)C3=CC(=C(C=C3)O)O)(C)O)C4C(C(OC5=CC(=CC(=C45)O)O)C6=CC(=C(C=C6)O)O)O)O
haematococcus algae meal	*
synthetic iron oxide	O=[Fe]O[Fe]=O
lycopene	CC(=CCCC(=CC=CC(=CC=CC(=CC=CC=C(C)C=CC=C(C)C=CC=C(C)CCC=C(C)C)C)C)C)C
mica-based pearlescent pigment	*
paprika	CC1=C(C(CCC1)(C)C)C(=O)C=CC(=CC=CC(=CC=CC=C(C)C=CC=C(C)C=CC2=C(CC(CC2(C)C)O)C)C)C.CC1=C(C(CC(C1)O)(C)C)C=CC(=CC=CC(=CC=CC=C(C)C=CC=C(C)C=CC(=O)C=C(C)CCC=C(C)C)C)C.CC1=C(C(CC(C1)O)(C)C)C=CC(=CC=CC(=CC=CC=C(C)C=CC=C(C)C=CC(=O)C2C(=CCCC2(C)C)C)C)C.CC1=C(C(CC(C1)O)(C)C)C=CC(=CC=CC(=CC=CC=C(C)C=CC=C(C)C=CC(=O)C2(CC(CC2(C)C)O)C)C)C.CC(C)C=CCCCC(=O)NCC1=CC(=C(C=C1)O)OC
paracoccus pigment	*
phaffla yeast	*
riboflavin	CC1=CC2=C(C=C1C)N(C3=NC(=O)NC(=O)C3=N2)CC(C(C(CO)O)O)O
saffron	CC(=CC=CC=C(C)C=CC=C(C)C(=O)O)C=CC=C(C)C(=O)O
sodium copper chlorophyllin	CCC1=C(C2=CC3=NC(=CC4=NC(=C(C5=NC(=C(C5=C([O-])[O-])C)C=C1[N-]2)CC(=O)[O-])C(C4C)CCC(=O)[O-])C(=C3C=C)C)C.[Na+].[Na+].[Na+].[Cu+2]

soy leghemoglobin	*
spirulina extract	*
tagetes	*
titanium dioxide	O=[Ti]=O
turmeric	COC1=C(C=CC(=C1)C=CC(=O)CC(=O)C=CC2=CC(=C(C=C2)O)OC)O
ultramarine blue	[O-][Si]([O-])([O-])[O-].[O-][Si]([O-])([O-])[O-].[O-][Si]([O-])([O-])[O-].[O-][Si]([O-])([O-])[O-].[O-][Si]([O-])([O-])[O-].[O-][Si]([O-])([O-])[O-].[Na+].[Na+].[Na+].[Na+].[Na+].[Na+].[Na+].[Al+3].[Al+3].[Al+3].[Al+3].[Al+3].[Al+3].[Al+3].[S-]S[S-]
vegetable juice	*

L.5: Colour Additives Exempt From Certification in Drug and Cosmetic Use

alumina	O=[Al]O[Al]=O
aluminum powder	[Al]
annatto extract	CC(=CC=CC=C(C)C=CC=C(C)C=CC(=O)O)C=CC=C(C)C=CC(=O)O
beta-carotene	CC1=C(C(CCC1)(C)C)C=CC(=CC=CC(=CC=CC=C(C)C=CC=C(C)C=CC2=C(CCCC2(C)C)C)C)C
bismuth oxychloride	O=[Bi].Cl
bronze powder	[Cu].[Sn]
calcium carbonate	C(=O)([O-])[O-].[Ca+2]
canthaxanthin	CC1=C(C(CCC1=O)(C)C)C=CC(=CC=CC(=CC=CC=C(C)C=CC=C(C)C=CC2=C(C(=O)CCC2(C)C)C)C)C
caramel	*
carmine	CC1=C2C(=CC(=C1C(=O)O)O)C(=O)C3=C(C2=O)C(=C(C(=C3O)O)C4C(C(C(C(O4)CO)O)O)O)O
chlorophyllin, copper complex	CCC1=C(C2=NC1=CC3=C(C(=C([O-])[O-])C(=N3)C(=C4C(C(C(=CC5=NC(=C2)C(=C5C)C=C)N4)C)CCC(=O)O)CC(=O)O)C)C.[Cu+2]
chromium hydroxide, green	O.O.[O-2].[O-2].[O-2].[Cr+3].[Cr+3]
chromium oxides greens	O=[Cr]O[Cr]=O

cochineal extract	CC1=C2C(=CC(=C1C(=O)O)O)C(=O)C3=C(C2=O)C(=C(C(=C3O)O)C4C(C(C(C(O4)CO)O)O)O)O
copper, metallic powder	[Cu]
potassium sodium copper chlorophyllin	CCC1=C(C2=NC1=CC3=C(C(=C([N-]3)C(=C4C(C(C(=N4)C=C5C(=C(C(=C2)[N-]5)C=C)C)C)CCC(=O)[O-])CC(=O)[O-])C(=O)[O-])C)C.[Na+].[Na+].[Na+].[Cu+2]
dihydroxyacetone	C(C(=O)CO)O
ferric ammonium ferrocyanide	[C-]#N.[C-]#N.[C-]#N.[C-]#N.[C-]#N.[C-]#N.[NH4+].[Fe+2].[Fe+3]
ferric ferrocyanide	[C-]#N.[C-]#N.[C-]#N.[C-]#N.[C-]#N.[C-]#N.[Fe+3].[Fe+3]
guanine	C1=NC2=C(N1)C(=O)NC(=N2)N
mica	[O-2].O=[Al]O[Al]=O.O=[Si]=O.[K+].[K+]
mica-based pearlescent pigment	*
pyrophyllite	O[Si](=O)[O-].O[Si](=O)[O-].[Al+2]
synthetic iron oxide	O=[Fe]O[Fe]=O
talc	O.O=[Mg].O=[Mg].O=[Mg].O=[Si]=O.O=[Si]=O.O=[Si]=O.O=[Si]=O
titanium dioxide	O=[Ti]=O
zinc oxide	O=[Zn]

L.6: Colour Additives Exempt From Certification and Permanently For Cosmetic Use

aluminum powder	[Al]
annatto	CC(=CC=CC=C(C)C=CC=C(C)C=CC(=O)O)C=CC=C(C)C=CC(=O)O
bismuth citrate	
bismuth oxychloride	O=[Bi].Cl
Bronze powder	[Cu].[Sn]
caramel	*
carmine	CC1=C2C(=CC(=C1C(=O)O)O)C(=O)C3=C(C2=O)C(=C(C(=C3O)O)C4C(C(C(C(O4)CO)O)O)O)O

beta-carotene	CC1=C(C(CCC1)(C)C)C=CC(=CC=CC(=CC=CC=C(C)C=CC=C(C)C=CC2=C(CCCC2(C)C)C)C)C
chromium hydroxide green	O.O.[O-2].[O-2].[O-2].[Cr+3].[Cr+3]
chromium oxide greens	[O-2].[O-2].[O-2].[Cr+3].[Cr+3]
copper, metallic powder	[Cu]
dihydroxyacetone	C(C(=O)CO)O
disodium edta-copper	C(CN(CC(=O)[O-])CC(=O)[O-])N(CC(=O)[O-])CC(=O)[O-].[Na+].[Na+].[Cu+2]
ferric ammonium ferrocyanide	[C-]#N.[C-]#N.[C-]#N.[C-]#N.[C-]#N.[C-]#N.[NH4+].[Fe+2].[Fe+3]
ferric ferrocyanide	[C-]#N.[C-]#N.[C-]#N.[C-]#N.[C-]#N.[C-]#N.[Fe+3].[Fe+3]
guaiazulene	CC1=C2C=CC(=C2C=C(C=C1)C(C)C)C
guanine	C1=NC2=C(N1)C(=O)NC(=N2)N
henna	C1=CC=C2C(=C1)C(=CC(=O)C2=O)O
iron oxides	O=[Fe]O[Fe]=O
luminescent zinc sulfide	S=[Zn]
manganese violet	[NH4+].[O-]P(=O)([O-])OP(=O)([O-])[O-].[Mn+3]
mica	[O-2].O=[Al]O[Al]=O.O=[Si]=O.[K+].[K+]
potassium sodium copper chlorophyllin	CCC1=C(C2=NC1=CC3=C(C(=C([N-]3)C(=C4C(C(C(=N4)C=C5C(=C(C(=C2)[N-]5)C=C)C)C)CCC(=O)[O-])CC(=O)[O-])C(=O)[O-])C)C.[Na+].[Na+].[Na+].[Cu+2]
pyrophyllite	O[Si](=O)[O-].O[Si](=O)[O-].[Al+2]
silver	[Ag]
silver nitrate	[N+](=O)([O-])[O-].[Ag+]
titanium dioxide	O=[Ti]=O
ultramarines	[O-][Si]([O-])([O-])[O-].[O-][Si]([O-])([O-])[O-].[O-][Si]([O-])([O-])[O-].[O-][Si]([O-])([O-])[O-].[O-][Si]([O-])([O-])[O-].[O-][Si]([O-])([O-])[O-].[Na+].[Na+].[Na+].[Na+].[Na+].[Na+].[Na+].[Na+].[Al+3].[Al+3].[Al+3].[Al+3].[Al+3].[Al+3].[S-]S[S-]
zinc oxide	O=[Zn]

L.7: Colour Additives Exempt From Certification For Use in Medical Devices

1,4-bis[(2-hydroxyethyl)amino]-9,10-anthracenedione bis(2-propenoic)ester	O=C1C2=C(C=CC=C2)C(C3=C(NCCOC(C=C)=O)C=CC(NCCOC(C=C)=O)=C13)=O
1,4-Bis[4-(2-methacryloxyethyl)phenylamino]-9,10-anthraquinone	O=C(C1=C2C=CC=C1)C3=C(NC4=CC=C(CCOC(C(C)=C)=O)C=C4)C=CC(NC5=CC=C(CCOC(C(C)=C)=O)C=C5)=C3C2=O
1,4-Bis[(2-methylphenyl)amino]-9,10-anthracenedione	O=C1C2=C(C=CC=C2)C(C3=C(NC4=CC=CC=C4C)C=CC(NC5=CC=CC=C5C)=C13)=O
carbazole violet	CCN1C2=CC=CC=C2C3=CC4=C(C=C31)OC5=C(C6=NC7=C(C=C8C(=C7)C9=CC=CC=C9N8CC)OC6=C(C5=N4)Cl)Cl
chlorophyllin-copper complex	CCC1=C(C2=NC1=CC3=C(C(=C([O-])[O-])C(=N3)C(=C4C(C(C(=CC5=NC(=C2)C(=C5C)C=C)N4)C)CCC(=O)O)CC(=O)O)C)C.[Cu+2]
chromium-cobalt-aluminum oxide	O.[Al].[Co].[Cr]
chromium oxide greens	[O-2].[O-2].[O-2].[Cr+3].[Cr+3]
c.i. vat orange 1	C1=CC2=C(C=C1Br)C(=O)C3=CC=C4C5=C(C=C(C=C5)Br)C(=O)C6=C4C3=C2C=C6
7,16-dichloro-6,15-dihydro-5,9,14,18-anthrazinetetrone	O=C(C1=C2C=C(Cl)C3=C1NC4=C(N3)C5=C(C(C6=C(C5=O)C=CC=C6)=O)C=C4Cl)C7=CC=CC=C7C2=O
2-[[2,5-diethoxy-4-[(4-methylphenyl)thiol]phenyl]azo]-1,3,5- benzenetriol	*
16,23-dihydrodinaptho[2,3-a:2',3'-i]napth[2',3':6,7]indolo[2,3-c]carbazole-5,10,15,17,22,24-hexone	O=C(C(C1=NC2=C3C=C4C=C5)=C6C(NC7=C8C(CC(C9=O)=C7C(C%10=C9C=CC=C%10)=O)=O)=C8C1=C2C=CC3=CC4=CC5=O)C%11=C(C=CC=C%11)C6=O
N,N'-(9,10-dihydro-9,10-dioxo-1,5-anthracenediyl) bis-benzamide	O=C(C1=C2C=CC=C1NC(C3=CC=CC=C3)=O)C4=CC=CC(NC(C5=CC=CC=C5)=O)=C4C2=O
16,17-Dimethoxydinaptho[1,2,3-cd:3',2',1'-lm]perylene-5,10-dione	O=C1C2=C(C(C3=C1C=CC4=C53)=CC(OC)=C5C6=C(OC)C=C7C8=C6C4=CC=C8C(C9=C7C=CC=C9)=O)C=CC=C2
4-[(2,4-dimethylphenyl)azo]-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-one	O=C1N(C2=CC=CC=C2)N=C(C)C1N=NC3=CC=C(C)C=C3C

disodium 1-amino-4-[[4-[(2-bromo-1-oxoallyl)amino]-2-sulphonatophenyl]amino]-9,10-dihydro-9,10-dioxoanthracene-2-sulphonate	O=S(C(C(N)=C1C2=O)=CC(NC3=CC=C(NC(C(Br)=C)=O)C=C3S(=O)([O-])=O)=C1C(C4=C2C=CC=C4)=O)([O-])=O.[Na+].[Na+]
d&c black #4	*
d&c blue #6	C1=CC=C(C=C1)C2(C(=O)C3=CC=CC=C3N2)C4(C(=O)C5=CC=CC=C5N4)C6=CC=CC=C6
d&c blue #9	C1=CC=C2C(=C1)C(=O)C3=CC(=C4C(=C3C2=O)NC5=C(C=C6C(=C5N4)C(=O)C7=CC=CC=C7C6=O)Cl)Cl
d&c green #5	CC1=CC(=C(C=C1)NC2=C3C(=C(C=C2)NC4=C(C=C(C=C4)C)S(=O)(=O)[O-])C(=O)C5=CC=CC=C5C3=O)S(=O)(=O)[O-].[Na+].[Na+]
d&c green #6	CC1=CC=C(C=C1)NC2=C3C(=C(C=C2)NC4=CC=C(C=C4)C)C(=O)C5=CC=CC=C5C3=O
d&c red #17	C1=CC=C(C=C1)N=NC2=CC=C(C=C2)N=NC3=C(C=CC4=CC=CC=C43)O
d&c violet #2	CC1=CC=C(C=C1)NC2=C3C(=C(C=C2)O)C(=O)C4=CC=CC=C4C3=O
d&c yellow # 8	C1=CC=C(C(=C1)C2=C3C=CC(=O)C=C3OC4=C2C=CC(=C4)O)C(=O)O
d&c yellow #10	C1=CC=C2C(=C1)C(=O)C(C2=O)C3=NC4=C(C=C(C=C4C=C3)S(=O)(=O)[O-])S(=O)(=O)[O-].[Na+].[Na+]
6-ethoxy-2-(6-ethoxy-3-oxobenzo[b]thien-2-(3H)-ylidene)benzo[b]thiophen-3-(2H)-one	O=C1C2=CC=C(OCC)C=C2SC1=C3C(C4=CC=C(OCC)C=C4S3)=O
fd&c blue #2	CCN(CC1=CC(=CC=C1)S(=O)(=O)[O-])C2=CC=C(C=C2)C(=C3C=CC(=[N+](CC)CC4=CC(=CC=C4)S(=O)(=O)O)C=C3)C5=CC=CC=C5S(=O)(=O)O.N
fd&c blue #2 aluminum lake on alumina	C1=CC2=C(C=C1S(=O)(=O)O)C(=C(N2)C3=NC4=C(C3=O)C=C(C=C4)S(=O)(=O)O)O.[Al+3]
iron oxides, synthetic	O=[Fe]O[Fe]=O
ferric ammonium citrate	C(C(=O)[O-])C(CC(=O)[O-])(C(=O)[O-])O.N.[Fe+3]
logwood extract	C1C2=CC(=C(C=C2C3C1(COC4=C3C=CC(=C4O)O)O)O)O
mica-based pearlescent pigments	*

[phthalocyaninato(2-)] copper	C1=CC=C2C(=C1)C3=NC4=NC(=NC5=NC(=NC6=NC(=NC2=N3)C7=CC=CC=C76)C8=CC=CC=C85)C9=CC=CC=C94.[Cu]
phthalocyanine green	C12=C(C(=C(C(=C1Cl)Cl)Cl)Cl)C3=NC4=NC(=NC5=NC(=NC6=C7C(=C([N-]6)N=C2[N-]3)C(=C(C(=C7Cl)Cl)Cl)Cl)C8=C5C(=C(C(=C8Cl)Cl)Cl)Cl)C9=C4C(=C(C(=C9Cl)Cl)Cl)Cl.[Cu+2]
hydroxyethyl methacrylate dye	CC(=C)C(=O)OCCO
pyrogallol	C1=CC(=C(C(=C1)O)O)O
titanium dioxide	O=[Ti]=O
vinyl alcohol	C=CO

Section M: Cannabis

M.1: Chemical Makeup of Cannabis Sativa

cannabigerolic acid	CCCCCC1=CC(=C(C(=C1C(=O)O)O)C/C=C(\C)/CCC=C(C)C)O
cannabigerolic acid monomethylether	CCCCCC1=CC(=C(C(=C1C(=O)O)O)C/C=C(\C)/CCC=C(C)C)OC
cannabigerol	CCCCCC1=CC(=C(C(=C1)O)C/C=C(\C)/CCC=C(C)C)O
cannabigerol monomethylether	CCCCCC1=CC(=C(C(=C1C(=O)O)O)C/C=C(\C)/CCC=C(C)C)OC
cannabigerovarinic acid	CCCC1=CC(=C(C(=C1C(=O)O)O)CC=C(C)CCC=C(C)C)O
cannabigerovarin	CCCC1=CC(=C(C(=C1)O)C/C=C(\C)/CCC=C(C)C)O
cannabichromenic acid	CCCCCC1=CC2=C(C=CC(O2)(C)CCC=C(C)C)C(=C1C(=O)O)O
cannabichromene	CCCCCC1=CC(=C2C=CC(OC2=C1)(C)CCC=C(C)C)O
cannabichromevarinic acid	CCCC1=CC(=C2C=CC(OC2=C1)(C)CCC=C(C)C)O
cannabichromevarin	CCCC1=CC(=C2C=CC(OC2=C1)(C)CCC=C(C)C)O
cannabidiolic acid	CCCCCC1=CC(=C(C(=C1C(=O)O)O)C2C=C(CCC2C(=C)C)C)O

cannabidiol	CCCCCC1=CC(=C(C(=C1)O)C2C=C(CCC2C(=C)C)C)O
cannabidiol monomethylether	CCCCCC1=CC(=C(C(=C1)OC)C2C=C(CCC2C(=C)C)C)O
cannabidiol c4	CCCCC1=CC2=C(C=C1)C(OC3=CC(=CC(=C32)O)C)(C)C
cannabidivarinic acid	CCCC1=CC(=C(C(=C1C(=O)O)O)C2C=C(CCC2C(=C)C)C)O
cannabidivarin	CCCC1=CC(=C(C(=C1)O)C2C=C(CCC2C(=C)C)C)O
cannabidiorcol	CC1=CC(C(CC1)C(=C)C)C2=C(C=C(C=C2O)C)O
delta-9 tetrahgdrocannabinolic acid a	CCCCCC1=CC2=C(C3C=C(CCC3C(O2)(C)C)C)C(=C1C(=O)O)O
delta-9 tetrahgdrocannabinolic acid b	CCCCCC1=CC(=C2C3C=C(CCC3C(OC2=C1C(=O)O)(C)C)C)O
delta-9 tetrahydrocannabinol	CCCCC1=CC(=C2C3C=C(CCC3C(OC2=C1)(C)C)C)O
detla-9 tetrahvdrocannabinolic acid c	CCCCC1=CC2=C(C3C=C(CCC3C(O2)(C)C)C)C(=C1C(=O)O)O
delta-9 tetrahydrocannabinol c4	CCCCC1=CC(=C2C3C=C(CCC3C(OC2=C1)(C)C)C)O
delta-9 tetrahydrocannabivarinic acid	CCCC1=CC2=C(C3C=C(CCC3C(O2)(C)C)C)C(=C1C(=O)O)O
delta-9 tetrahydrocannabivarin	CCCC1=CC(=C2C3C=C(CCC3C(OC2=C1)(C)C)C)O
delta-9 tetrahydrocannabiorcolic acid	CC1=CC2=C(C3C=C(CCC3C(O2)(C)C)C)C(=C1C(=O)O)O
detla-9 tetrahydrocannabiorcol	CC1=CC(=C2C3C=C(CCC3C(OC2=C1)(C)C)C)O
detla-8 tetrahydrocannabinolic acid	CCCCCC1=CC2=C(C3CC(=CCC3C(O2)(C)C)C)C(=C1C(=O)O)O
delta-8 tetrahydrocannabinol	CCCCCC1=CC(=C2C3CC(=CCC3C(OC2=C1)(C)C)C)O
cannabicyclolic acid	CCCCCC1=CC2=C(C3C4C(C3(C)C)CCC4(O2)C)C(=C1C(=O)O)O
cannabicyclol	CCCCCC1=CC(=C2C3C4C(C3(C)C)CCC4(OC2=C1)C)O
cannabicyclovarin	CCCC1=CC(=C2C3C4C(C3(C)C)CCC4(OC2=C1)C)O

cannabielsoic acid a	CCCCCC1=CC2=C(C3C(CCC(C3O2)(C)O)C(=C)C)C(=C1C(=O)O)O
cannabielsoic acid b	CCCCCC1=CC(=C2C3C(CCC(C3OC2=C1C(=O)O)(C)O)C(=C)C)O
cannabielsoin	CCCCCC1=CC(=C2C3C(CCC(C3OC2=C1)(C)O)C(=C)C)O
cannabinolic acid a	CCCCCC1=CC2=C(C3=C(C=CC(=C3)C)C(O2)(C)C)C(=C1C(=O)O)O
cannabinol	CCCCCC1=CC(=C2C(=C1)OC(C3=C2C=C(C=C3)C)(C)C)O
cannabinol methylether	CCCCCC1=CC2=C(C(=C1)OC)C3=C(C=CC(=C3)C)C(O2)(C)C
cannabinol c4	CCCCC1=CC2=C(C=C1)C(OC3=CC(=CC(=C32)O)C)(C)C
cannabivarin	CCCC1=CC(=C2C(=C1)OC(C3=C2C=C(C=C3)C)(C)C)O
cannabiorcol	CC1=CC2=C(C=C1)C(OC3=CC(=CC(=C32)O)C)(C)
cannabinodiol	CCCCCC1=CC(=C(C(=C1)O)C2=C(C=CC(=C2)C)C(=C)C)O
cannabinodivarin	CCCC1=CC(=C(C(=C1)O)C2=C(C=CC(=C2)C)C(=C)C)O
cannabitriol	CCCCCC1=CC(=C2C(=C1)OC(C3=C2C(C(CC3)(C)O)O)(C)C)O
9,10-dihydroxy-delta-6a,10a-tetrahydrocannabinol	CCCCCC1=CC(O)=C2C(OC(C)(C)C3=C2C(O)C(C)(O)CC3)=C1
10-ethoxy-9-hydroxy-delta-6a,10a-tetrahydrocannabinol	CCCCCC1=CC(O)=C2C(OC(C)(C)C3=C2C(OCC)C(C)(O)CC3)=C1
8,9-dihydroxy-delta-tetrahydrocannabinol	CCCCCC1=CC(O)=C2C(OC(C)(C)C3=C2CC(C)(O)C(O)C3)=C1
cannabidiolic acid tetrahydrocannabitriol ester	CCCCCC1=CC(=C2C(=C1)OC(C3=C2C(C(C(C3)OC(=O)C4=C(C(=C(C=C4CCCCC)O)C5C=C(CCC5C(=C)C)C)O)C)O)(C)C)O
dehydrocannabifuran	CCCCCC1=CC(=C2C(=C1)OC3=C(C=CC(=C23)C(=C)C)C)O
cannabifuran	CCCCCC1=CC(=C2C(=C1)OC3=C(C=CC(=C23)C(C)C)C)O
cannabichromanon	CCCCCC1=CC(=C2C(=C1)OC(C(C2=O)CCC(=O)C)(C)C)O

cannabicitran	CCCCCC1=CC2=C3C4CC(CCC4C(O2)(C)C)(OC3=C1)C
10-oxo-delta-6a,10a-tetrahydrocannabinol	CCCCCC1=CC(O)=C2C(OC(C)(C)C3=C2C(=O)C(C)CC3)=C1
delta-9 6a,10a-tetrahydrocannabinol	CCCCCC1=CC(O)=C2C(OC(C)(C)C3=C2CC(C)(O)C(O)C3)=C1
3,4,5,6-tetrahydro-7-hydroxy-alpha,alpha-2-trimethyl-9-n-propyl-2,6-methano-2H-1-benzoxocin-5-methanol	CCCC1=CC(=C2C3CC(CCC3C(C)(C)O)(OC2=C1)C)O
6a,9,10,10a-9,10-dihydroxyhexahydrocannabinol	CCCCCC1=CC(=C2C3C(CCC(C3O)(C)O)C(OC2=C1)(C)C)O
6a,7,10a-trihydroxy-delta-9 tetrahydrocannabinol	CCCCCC1=CC(=C2C3(O)C=C(CC(O)C3(O)C(OC2=C1)(C)C)C)O
choline	C[N+](C)(C)CCO
trigonelline	C[N+]1=CC=CC(=C1)C(=O)[O-]
muscarine	CC1C(CC(O1)C[N+](C)(C)C)O
l-plus isoleucine betaine	C[N+](C)(C)CC(=O)[O-]
neurine	C[N+](C)(C)C=C.[OH-]
piperidine	C1CCNCC1
hordenine	CN(C)CCC1=CC=C(C=C1)O
ammonia	N
methylamine	CN
ethylamine	CCN
n-propylamine	CCCN
n-butylamine	CCCCN
iso-butylamine	CC(C)CN
secbutylamine	CCC(C)N
dimethylamine	CNC
pyrrolidine	C1CCNC1
cannabisativine	CCCCCC(C(C1C=CCC2N1CCCNCCCCNC(=O)C2)O)O
anhydrocannabisativine	CC1(C(C(O)C2CCCC2)O)C=CCC(C3)N1CCCNCCCCNC3=O
alanine	CC(C(=O)O)N
asparatic acid	C(C(C(=O)O)N)C(=O)O
cystine	C(C(C(=O)O)N)SSCC(C(=O)O)N
glutamic acid	CCC(O)=O

glycine	C(C(=O)O)N
serine	C(C(C(=O)O)N)O
arginine	C(CC(C(=O)O)N)CN=C(N)N
histidine	C1=C(NC=N1)CC(C(=O)O)N
isoleucine	CCC(C)C(C(=O)O)N
leucine	CC(C)CC(C(=O)O)N
lysine	C(CCN)CC(C(=O)O)N
methionine	CSCCC(C(=O)O)N
phenylalanine	C1=CC=C(C=C1)CC(C(=O)O)N
proline	C1CC(NC1)C(=O)O
threonine	CC(C(C(=O)O)N)O
tryptophan	C1=CC=C2C(=C1)C(=CN2)CC(C(=O)O)N
tyrosine	C1=CC(=CC=C1CC(C(=O)O)N)O
valine	CC(C)C(C(=O)O)N

edestin	NC(CCSC)C(NC(C)C(NC(CC(N)=O)C(NC(C(C)([H])O)C(NC(CCCCN)C(NC(C)C(NC(CC(C)C)C(NC(CC(C)C)C(NC(CO)C(NC(CC(C)C)C(NC(CO)C(NC(CC1=CC=CC=C1)C(NC(CS)C(NC(CC1=CC=CC=C1)C(NC(CC1=CC=CC=C1)C(NC(CC(C)C)C(NC(CC(C)C)C(NC(CC(C)C)C(NC(CCC(N)=O)C(NC([H])C(NC(C(C)([H])O)C(NC(CO)C(NC(C)C(NC(CC(C)([H])C)C(NC(CO)C(NC(CCCCNC(N)=N)C(NC(CO)C(NC(CCCCNC(N)=N)C(NC(CO)C(NC(CCCCNC(N)=N)C(NC(CO)C(NC(CCC(N)=O)C(NC(CC(O)=O)C(NC(CCC(O)=O)C(NC(CO)C(NC(CC1=CC=C(O)C=C1)C(NC(CCCCNC(N)=N)C(NC(CCC(N)=O)C(NC(CCC(N)=O)C(NC(CC(N)=O)C(NC(CCC(N)=O)C(NC(CS)C(NC(CCC(N)=O)C(NC(C(CC)([H])C)C(NC(CC(O)=O)C(NC(CCCCNC(N)=N)C(NC(C(CC)([H])C)C(NC(CCC(O)=O)C(NC(C)C(NC(CCCCNC(N)=N)C(NC(CCC(O)=O)C(NC(C2CCCN2)C(NC(CC(O)=O)C(NC(C(C)([H])O)C(NC(CCCCNC(N)=N)C(NC(C(C)C)C(NC(CCC(O)=O)C(NC(C)C(NC(CCC(O)=O)C(NC(C)C(NC([H])C(NC(CC(C)C)C(NC(C(CC)([H])C)C(NC(CCC(O)=O)C(NC(CO)C(NC(CCC1=CNC2=C1C=CC=C2)C(NC(CC(N)=O)C(NC(C2CCCN2)C(NC(CC(N)=O)C(NC(CC1=CNC=N1)C(NC(CC(N)=O)C(NC(CCC(N)=O)C(NC(CC1=CC=CC=C1)C(NC(CCC(N)=O)C(NC(CS)C(NC(C)C(NC([H])C(NC(C(C)C)C(NC(C)C(NC(C(C)C)C(NC(C(C)C)C(NC(CCCCNC(N)=N)C(NC(CC1=CC=C(O)C=C1)C(NC(C(C)([H])O)C(NC(C(CC)([H])C)C(NC(CCC(N)=O)C(NC(CCC(N)=O)C(NC(CC(N)=O)C(NC([H])C(NC(CC(C)C)C(NC(CC1=CNC=N1)C(NC(CC(C)C)C(NC(C2CCCN2)C(NC(CO)C(NC(CC1=CC=C(O)C=C1)C(NC(C(C)([H])O)C(NC(CC(N)=O)C(NC(C(C)([H])O)C(NC(C2CCCN2)C(NC(CCC(N)=O)C(NC(CC(C)C)C(NC(C(C)C)C(NC(CC1=CC=C(O)C=C1)C(NC(C(CC)([H])C)C(NC(CCCCN)C(NC([H])C(NC(CCCCNC(N)=N)C(NC([H])C(NC(C(CC)([H])C)C(NC(CC(C)C)C(NC([H])C(NC(C(C)C)C(NC(C(C)([H])O)C(NC(C1=CC=CC=C1)C(NC(C2CCCN2)C(NC([H])C(NC(CS)C(NC(C2CCCN2)C(NC(CCC(O)=O)C(NC(C(C)([H])O)C(NC(C1=CC=CC=C1)C(NC(CCC(O)=O)C(NC(CCC(O)=O)C(NC(CO)C(NC(CCC(N)=O)C(NC(CCCCNC(N)=N)C(NC([H])C(NC(CCC(N)=O)C(NC([H])C(NC(CCC(N)=O)C(NC([H])C(NC(CCC(N)=O)C(NC([H])C(NC(CO)C(NC(CCC(N)=O)C(NC([H])C(NC(CO)C(NC(CCC(N)=O)C(NC(C2CCCN2)C(NC(CC(O)=O)C(NC(CCC

	CNC(N)=N)C(NC(CC1=CNC=N1)C(NC(CCC(N)=O)C(NC(CCCCN)C(NC(CC(C)C)C(NC(CCCCNC(N)=N)C(NC(CC1=CNC=N1)C(NC(C(C)C)C(NC(CCCCNC(N)=N)C(NC(CCC(O)=O)C(NC([H])C(NC(CC(O)=O)C(NC(C(CC)([H])C)C(NC(C(C)C)C(NC(C)C(NC(C(CC)([H])C)C(NC(C2CCCN2)C(NC(C)C(NC([H])C(NC(C(C)C)C(NC(C)C(NC(CC1=CC=C(O)C=C1)C(NC(CCC1=CNC2=C1C=CC=C2)C(NC(CO)C(NC(CC1=CC=C(O)C=C1)C(NC(CC(N)=O)C(NC(CC(N)=O)C(NC([H])C(NC(CC(O)=O)C(NC(CCC(N)=O)C(NC(CCC(N)=O)C(NC(CC(C)C)C(NC(C(C)C)C(NC(CC1=CC=CC=C1)C(NC(C(C)C)C(NC(CO)C(NC(CC(C)C)C(NC(CC(C)C)C(NC(CC(O)=O)C(NC(C(C)([H])O)C(NC(CO)C(NC(CC(N)=O)C(NC(C(C)C)C(NC(CC(N)=O)C(NC(CC(N)=O)C(NC(CCC(N)=O)C(NC(CC(C)C)C(NC(CC(O)=O)C(NC(CC(O)=O)C(NC(CC(N)=O)C(NC(C2CCCN2)C(NC(CCCCNC(N)=N)C(NC(CCCCNC(N)=N)C(NC(CC1=CC=CC=C1)C(NC(CC1=CC=C(O)C=C1)C(NC(CC(C)C)C(NC(C)C(NC([H])C(NC(CC(N)=O)C(NC(C2CCCN2)C(NC(CCC(O)=O)C(NC(CC(O)=O)C(NC(CCC(O)=O)C(NC(CC1=CC=CC=C1)C(NC(CCC(O)=O)C(NC(CCC(N)=O)C(NC(CC(C)C)C(NC(CCCCNC(N)=N)C(NC(CCCCNC(N)=N)C(NC(CCC(O)=O)C(NC([H])C(NC([H])C(NC(CCCCNC(N)=N)C(NC([H])C(NC(C)C(NC(CCCCNC(N)=N)C(NC(CC1=CC=CC=C1)C(NC(CC(O)=O)C(NC(CCC(O)=O)C(NC(CCCCNC(N)=N)C(NC(C(CC)([H])C)C(NC(CCCCNC(N)=N)C(NC(CCC(O)=O)C(NC(CCCCNC(N)=N)C(NC(CO)C(NC(CCC(O)=O)C(NC([H])C(NC(CCCCNC(N)=N)C(NC(CC1=CNC=N1)C(NC(CO)C(NC(CO)C(NC(CCC(O)=O)C(NC(CC(N)=O)C(NC(CC1=CC=C(O)C=C1)C(NC(CCCCNC(N)=N)C(NC(CC(N)=O)C(NC(C(CC)([H])C)C(NC(CC1=CC=CC=C1)C(NC(CCCCN)C(NC([H])C(NC(CC1=CC=CC=C1)C(NC(CC(N)=O)C(NC(CO)C(NC(CCCCNC(N)=N)C(NC(CC1=CC=C(O)C=C1)C(NC(CC(C)C)C(NC(CCC(O)=O)C(NC(CCC(O)=O)C(NC(C)C(NC(CC1=CC=CC=C1)C(NC(CC(N)=O)C(NC(C(C)C)C(NC(CC(O)=O)C(NC(CO)C(NC(CCC(O)=O)C(NC(C(C)([H])O)C(NC(C(C)C)C(NC(CCCCN)C(NC(CCCCNC(N)=N)C(NC(CC(C)C)C(NC(CCC(N)=O)C(NC([H])C(NC(CCC(N)=O)C(NC(CC(N)=O)C(NC(CC(O)=O)C(NC(CC(O)=O)C(NC(CCCCNC(N)=N)C(NC(CC(N)=O)C(NC(CO)C(NC(C(CC)([H])C)C(NC(C(CC)([H])C)C(NC(CCCCNC(N)=N)C(NC(C(C)C)C(NC(CCCC

	N)C(NC([H])C(NC(C(C)([H])O)C(NC(CC(C)C)C(NC(CC(O)=O)C(NC(CC(C)C)C(NC(C(C)C)C(NC(CO)C(NC(C2CCCN2)C(NC(CC(C)C)C(NC(CCCCNC(N)=N)C(NC(CO)C(NC(CO)C(NC(CCC(N)=O)C(NC(CCC(O)=O)C(NC(CC1=CNC=N1)C(NC(CCC(N)=O)C(NC(CCCCNC(N)=N)C(NC(CCC(O)=O)C(NC(CCC(O)=O)C(NC(CCCCNC(N)=N)C(NC(CC1=CC=C(O)C=C1)C(NC(CCC(O)=O)C(NC(CC(O)=O)C(NC(CCC(O)=O)C(NC(CCCCNC(N)=N)C(NC(CCC(N)=O)C(NC(CCCCNC(N)=N)C(NC(CCC(O)=O)C(NC(C(CC)([H])C)C(NC(CC(O)=O)C(NC(CCC(N)=O)C(NC(CCC(O)=O)C(NC(CCCCNC(N)=N)C(NC(CCCCNC(N)=N)C(NC(CCCCNC(N)=N)C(NC(CCSC)C(NC(CO)C(NC(CCCCNC(N)=N)C(NC([H])C(NC([H])C(NC(CCCCNC(N)=N)C(NC(CC1=CC=C(O)C=C1)C(NC(CCC(O)=O)C(NC(C)C(NC(CC(N)=O)C(NC([H])C(NC(CC(C)C)C(NC(CCC(O)=O)C(NC(CCC(O)=O)C(NC(C(C)([H])O)C(NC(CC1=CC=CC=C1)C(NC(CS)C(NC(CO)C(NC(CCSC)C(NC(CCCCNC(N)=N)C(NC(CC(C)C)C(NC(CCCCNC(N)=N)C(NC(CCC(O)=O)C(NC(CC(N)=O)C(NC(C(CC)([H])C)C(NC([H])C(NC(CC(O)=O)C(NC(C2CCCN2)C(NC(CO)C(NC(CCCCNC(N)=N)C(NC(C)C(NC(CC(O)=O)C(NC(C(C)C)C(NC(CC1=CC=CC=C1)C(NC(C(C)([H])O)C(NC(C2CCCN2)C(NC(CCC(N)=O)C(NC(C)C(NC([H])C(NC(CCCCNC(N)=N)C(NC(C(CC)([H])C)C(NC(CO)C(NC(C(C)([H])O)C(NC(C(C)C)C(NC(CC(N)=O)C(NC(CO)C(NC(CC1=CC=C(O)C=C1)C(NC(CC(N)=O)C(NC(CC(C)C)C(NC(C2CCCN2)C(NC(C(CC)([H])C)C(NC(CC(C)C)C(NC(CCCCNC(N)=N)C(NC(CC1=CC=CC=C1)C(NC(CC(C)C)C(NC(CCC(N)=O)C(NC(CC(C)C)C(NC(CO)C(NC(C)C(NC(CCC(O)=O)C(NC(CCCCNC(N)=N)C(NC([H])C(NC(C(C)C)C(NC(CC(C)C)C(NC(CC1=CC=C(O)C=C1)C(NC(CCCCN)C(NC(CC(N)=O)C(NC(C)C(NC(C(CC)([H])C)C(NC(CC1=CC=C(O)C=C1)C(NC(C(C)([H])O)C(NC(C2CCCN2)C(NC(CC1=CNC=N1)C(NC(CCC1=CNC2=C1C=CC=C2)C(NC(CC(N)=O)C(NC(C(C)C)C(NC(CC(N)=O)C(NC(C)C(NC(CC1=CNC=N1)C(NC(CO)C(NC(C(C)C)C(NC(CCSC)C(NC(CC1=CC=C(O)C=C1)C(NC(C(C)C)C(NC(CC(C)C)C(NC(CCCCNC(N)=N)C(NC([H])C(NC(CCCCNC(N)=N)C(NC(C)C(NC(CCCCNC(N)=N)C(NC(C(C)C)C(NC(CCC(N)=O)C(NC(C(C)C)C(NC(C(C)C)C(NC(CC(N)=O)C(NC(CC1=CNC=N1)C(NC(CCSC)C(NC([H])C(NC(CCC(N)=O)C(NC(CCCC

	N)C(NC(CS)C(NC(CC1=CC=CC=C1)C(NC(CC(O)=O)C(NC([H])C(NC(CCC(O)=O)C(NC(C(C)C) C(NC(CCCCNC(N)=N)C(NC(CCC(N)=O)C(NC([H])C(NC(CCC(N)=O)C(NC(C(CC)([H])C)C(NC(C (C)C)C(NC(C(C)([H])O)C(NC(C(C)C)C(NC(C2C CCN2)C(NC(CCC(N)=O)C(NC(CC(N)=O)C(NC(CC1=CNC=N1)C(NC(C)C(NC(C(C)C)C(NC(C(C)C)C(NC(CCCCN)C(NC(CCC(N)=O)C(NC(C)C(NC(CO)C(NC(CO)C(NC(CC(O)=O)C(NC([H])C(NC(CC1=CC=CC=C1)C(NC(CCC(O)=O)C(NC(C CC1=CNC2=C1C=CC=C2)C(NC(C(C)C)C(NC(C O)C(NC(CC1=CC=CC=C1)C(NC(CCCCN)C(NC (C(C)([H])O)C(NC(CC(N)=O)C(NC(CC(O)=O)C(NC(CC(N)=O)C(NC(C)C(NC(CCC1=CNC2=C1C =CC=C2)C(NC(C(C)C)C(NC(CO)C(NC(C2CCC N2)C(NC(CC(C)C)C(NC(C)C(NC([H])C(NC(CCC CNC(N)=N)C(NC(C(C)([H])O)C(NC(CO)C(NC(C(C)C)C(NC(C(CC)([H])C)C(NC(CCCCNC(N)=N)C (NC(C)C(NC(CC(C)C)C(NC(C2CCCN2)C(NC(C CC(O)=O)C(NC(C)C(NC(C(C)C)C(NC(CC(C)C) C(NC(C)C(NC(CC(N)=O)C(NC(C)C(NC(CC1=C C=CC=C1)C(NC(CCC(N)=O)C(NC(C(CC)([H])C) C(NC(CO)C(NC(CCCCNC(N)=N)C(NC(CC(O)= O)C(NC(CCC(N)=O)C(NC(C)C(NC(CCCCNC(N) =N)C(NC(CC(N)=O)C(NC(CC(C)C)C(NC(CCCC N)C(NC(CC1=CC=C(O)C=C1)C(NC(CC(N)=O)C (NC(CCCCNC(N)=N)C(NC(CCC(O)=O)C(NC(C CC(O)=O)C(NC(C(C)([H])O)C(NC(C(C)C)C(NC(CC(C)C)C(NC(CC(C)C)C(NC(C(C)([H])O)C(NC(CO)C(NC(CO)C(NC(C(C)([H])O)C(NC(CO)C(NC (CO)C(NC(CCCCNC(N)=N)C(NC(CCCCNC(N)= N)C(NC(CCC(O)=O)C(NC(CC(O)=O)C(NC(CCC CNC(N)=N)C(NC(CC1=CC=C(O)C=C1)C(NC(C CC(O)=O)C(NC(CCCCNC(N)=N)C(NC(CCCCN C(N)=N)C(NC(C)C(NC(C(C)([H])O)C(NC(C)C(N CC(O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O) =O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)= O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O) =O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)= O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O) =O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)= O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O) =O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)= O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)

	=O)=O
zeatin	CC(=CCNC1=NC=NC2=C1NC=N2)CO
zeatin nucleoside	CC(=CCNC1=C2C(=NC=N1)N(C=N2)C3C(C(C(O3)CO)O)O)CO

glucosidase	NC(CCSC)C(NC(CCC(N)=O)C(NC(CC(O)=O)C(NC(CC(N)=O)C(NC(CCSC)C(NC(CCSC)C(NC(CCC1=CNC2=C1C=CC=C2)C(NC(CCC1=CNC2=C1C=CC=C2)C(NC(CCCCNC(N)=N)C(NC([H])C(NC([H])C(NC(C(C)C)C(NC(C(CC)([H])C)C(NC(CC1=CC=C(O)C=C1)C(NC(CCC(N)=O)C(NC(C(CC)([H])C)C(NC(CC1=CC=C(O)C=C1)C(NC(C2CCCN2)C(NC(CCCCNC(N)=N)C(NC(CO)C(NC(CC1=CC=CC=C1)C(NC(CC(C)C)C(NC(CC(O)=O)C(NC(CO)C(NC(CCCCNC(N)=N)C(NC([H])C(NC(CC(O)=O)C(NC([H])C(NC(C(C)C)C(NC(CC(O)=O)C(NC(CC(C)C)C(NC(CC(N)=O)C(NC([H])C(NC(C(CC)([H])C)C(NC(C(C)([H])O)C(NC(CCC(O)=O)C(NC(CCCCN)C(NC(CC(C)C)C(NC(CC(O)=O)C(NC(CC1=CC=C(O)C=C1)C(NC(C(C)C)C(NC(C)C(NC(CO)C(NC(CC(C)C)C(NC(CC(N)=O)C(NC(C(C)C)C(NC(CC(O)=O)C(NC([H])C(NC(C(CC)([H])C)C(NC(CCC1=CNC2=C1C=CC=C2)C(NC(CC(C)C)C(NC(CO)C(NC(C2CCCN2)C(NC(CC1=CC=CC=C1)C(NC(CC1=CC=CC=C1)C(NC(C(C)([H])O)C(NC(CO)C(NC(C2CCCN2)C(NC(CCSC)C(NC(CC(C)C)C(NC(CC(O)=O)C(NC(CCC(N)=O)C(NC(CC1=CC=CC=C1)C(NC([H])C(NC(C(C)([H])O)C(NC(CC(C)C)C(NC(CCC(O)=O)C(NC(CC(O)=O)C(NC(CC1=CC=CC=C1)C(NC(CCCCN)C(NC(C)C(NC(CC(C)C)C(NC(CC(C)C)C(NC(CCC(O)=O)C(NC(CCCCN)C(NC(C)C(NC(CC1=CNC=N1)C(NC(CO)C(NC(CC(C)C)C(NC([H])C(NC(CC(C)C)C(NC(CCCCN)C(NC(C)C(NC(CCSC)C(NC(C(CC)([H])C)C(NC(CC(O)=O)C(NC(CCC(N)=O)C(NC(C(C)C)C(NC(C(CC)([H])C)C(NC(CO)C(NC(CC1=CNC=N1)C(NC(C(C)([H])O)C(NC(CO)C(NC(CC(O)=O)C(NC(CCC(N)=O)C(NC(CC1=CNC=N1)C(NC(C2CCCN2)C(NC(CCC1=CNC2=C1C=CC=C2)C(NC(CC1=CC=CC=C1)C(NC(CC1=CC=CC=C1)C(NC(CCC(N)=O)C(NC(CCC(O)=O)C(NC(CO)C(NC(CCCCNC(N)=N)C(NC(CCC(N)=O)C(NC(CC(N)=O)C(NC(CCCCNC(N)=N)C(NC(C(C)([H])O)C(NC(CC(N)=O)C(NC(C2CCCN2)C(NC(CCCCN)C(NC(C)C(NC(CC(O)=O)C(NC(CCC1=CNC2=C1C=CC=C2)C(NC(CC1=CC=CC=C1)C(NC(C(C)C)C(NC(CCC1=CNC2=C1C=CC=C2)C(NC(C)C(NC(CC(O)=O)C(NC(C2CCCN2)C(NC(C

	CCCN)C(NC(C2CCCN2)C(NC(CC(O)=O)C(NC([H])C(NC(C(C)([H])O)C(NC(C2CCCN2)C(NC(C2CCCN2)C(NC(CC(N)=O)C(NC(CC(N)=O)C(NC(CCC1=CNC2=C1C=CC=C2)C(NC(CC(C)C)C(NC(CO)C(NC(C(CC)([H])C)C(NC(CC1=CC=CC=C1)C(NC([H])C(NC([H])C(NC(CO)C(NC(C)C(NC(CCC1=CNC2=C1C=CC=C2)C(NC(C(C)([H])O)C(NC(CC1=CC=CC=C1)C(NC(CC(O)=O)C(NC(CO)C(NC(CCCCNC(N)=N)C(NC(CCCCNC(N)=N)C(NC(CCC(N)=O)C(NC(CCC(N)=O)C(NC(CC1=CC=C(O)C=C1)C(NC(CC1=CC=C(O)C=C1)C(NC(CC(C)C)C(NC(CC1=CNC=N1)C(NC(CC(N)=O)C(NC(CC1=CC=CC=C1)C(NC(CC(C)C)C(NC(C(C)([H])O)C(NC(CO)C(NC(CCC(N)=O)C(NC(C2CCCN2)C(NC(CC(O)=O)C(NC(C(C)C)C(NC(CC(N)=O)C(NC(CC1=CC=CC=C1)C(NC(CCC1=CNC2=C1C=CC=C2)C(NC(CCC(O)=O)C(NC(C)C(NC(CCCCNC(N)=N)C(NC(CC(C)C)C(NC(CC(O)=O)C(NC(C(C)([H])O)C(NC(C(C)C)C(NC(CC(N)=O)C(NC(CC1=CC=CC=C1)C(NC(CC1=CC=C(O)C=C1)C(NC(CC1=CC=CC=C1)C(NC(CC1=CNC=N1)C(NC(CC(O)=O)C(NC(C)C(NC(CCC(O)=O)C(NC(CC(C)C)C(NC(CCCCNC(N)=N)C(NC(CC(O)=O)C(NC(CC(N)=O)C(NC(C2CCCN2)C(NC(C2CCCN2)C(NC(C(C)C)C(NC(C2CCCN2)C(NC(CCCCN)C(NC([H])C(NC(CCC(O)=O)C(NC(C)C(NC(CCCCN)C(NC(C(C)([H])O)C(NC(CC(C)C)C(NC([H])C(NC(C)C(NC(C2CCCN2)C(NC(CCC(O)=O)C(NC(C)C(NC(CC(N)=O)C(NC(C2CCCN2)C(NC(CC1=CC=C(O)C=C1)C(NC(C(C)([H])O)C(NC(CCC1=CNC2=C1C=CC=C2)C(NC(CCC(N)=O)C(NC(CCCCNC(N)=N)C(NC(CC1=CNC=N1)C(NC(C(C)C)C(NC(CC1=CC=C(O)C=C1)C(NC(CC(O)=O)C(NC(CC(C)C)C(NC(CO)C(NC(CCCCNC(N)=N)C(NC(C2CCCN2)C(NC(CCC(O)=O)C(NC(CC(N)=O)C(NC(CC(C)C)C(NC(CC(O)=O)C(NC(CC1=CC=CC=C1)C(NC(CC(C)C)C(NC(CCCCN)C(NC(CC(O)=O)C(NC(CC(C)C)C(NC(CCCCNC(N)=N)C(NC(C)C(NC(CC(C)C)C(NC(CCSC)C(NC(CC(O)=O)C(NC(CC(O)=O)C(NC(CC1=CC=C(O)C=C1)C(NC(C2

	CCCN2)C(NC([H])C(NC(C(C)([H])O)C(NC(C(C)([H])O)C(NC(C(C)([H])O)C(NC(C(C)C)C(NC([H])C(NC(CCC(O)=O)C(NC(C(CC)([H])C)C(NC([H])C(NC(CC(O)=O)C(NC(CC(O)=O)C(NC(CC(N)=O)C(NC(C2CCCN2)C(NC(CC(C)C)C(NC(CCC(O)=O)C(NC(CCCCNC(N)=N)C(NC(CCSC)C(NC(C)C(NC(CCC(O)=O)C(NC(CC1=CC=C(O)C=C1)C(NC(C(C)([H])O)C(NC(C)C(NC([H])C(NC([H])C(NC(CC(O)=O)C(NC(CCCCN)C(NC(CC(C)C)C(NC(CC1=CNC=N1)C(NC(CCSC)C(NC(C)C(NC(CC1=CC=C(O)C=C1)C(NC(C(C)([H])O)C(NC(CC1=CC=CC=C1)C(NC(CC(O)=O)C(NC(CC(C)C)C(NC(CC(C)C)C(NC(CC(N)=O)C(NC(CCSC)C(NC(C2CCCN2)C(NC(CC1=CNC=N1)C(NC(CO)C(NC(C)C(NC(CO)C(NC(CC1=CC=C(O)C=C1)C(NC(CC(C)C)C(NC(CCCCNC(N)=N)C(NC(CCC(O)=O)C(NC(C(C)C)C(NC(CCCCNC(N)=N)C(NC(CCC(O)=O)C(NC(C)C(NC(C(CC)([H])C)C(NC(CCC(O)=O)C(NC(CCCCNC(N)=N)C(NC(CC1=CC=CC=C1)C(NC(CCC(N)=O)C(NC(CCCCNC(N)=N)C(NC(CC(C)C)C(NC(C)C(NC(C(C)([H])O)C(NC(CC(O)=O)C(NC(C(C)C)C(NC(C(C)C)C(NC(CCCCNC(N)=N)C(NC(CO)C(NC(C)C(NC(C(C)([H])O)C(NC(CCCCNC(N)=N)C(NC(CCC1=CNC2=C1C=CC=C2)C(NC([H])C(NC(C)C(NC(CC(O)=O)C(NC(CCC(O)=O)C(NC(CC(O)=O)C(NC(C2CCCN2)C(NC(CC1=CNC=N1)C(NC(C)C(NC(CC1=CC=C(O)C=C1)C(NC(C2CCCN2)C(NC(CCCCN)C(NC(C(C)C)C(NC(CCSC)C(NC(CC(C)C)C(NC(C)C(NC(C(C)C)C(NC(CC(C)C)C(NC(CC1=CC=CC=C1)C(NC(CO)C(NC(CC(C)C)C(NC(CCCCNC(N)=N)C(NC([H])C(NC(CO)C(NC(C(C)C)C(NC(C)C(NC(CCC(N)=O)C(NC([H])C(NC(CCC(O)=O)C(NC(CCC(O)=O)C(NC(CC(C)C)C(NC([H])C(NC(CC(C)C)C(NC(C2CCCN2)C(NC(CCC(O)=O)C(NC(C)C(NC(CC(O)=O)C(NC(C(C)C)C(NC(C2CCCN2)C(NC(CC1=CC=CC=C1)C(NC(CCC(O)=O)C(NC(CCCCNC(N)=N)C(NC(C(CC)([H])C)C(NC(CCC(N)=O)C(NC(CC(O)=O)C(NC(C2CCCN2)C(NC(CC1=CC=C(O)C=C1)C(NC([H])C(NC(CCCCN)C(NC(C(C)C)C(NC(CC(C)C)C(NC(CCC1=CNC2=C1C=CC=C2)C(NC(C2CCCN2)C(NC(CCC(O)=O)C(NC(CC1=CC=CC=C1)C(NC(CCCCN)C(N)C([H])C(NC(CCCCNC(N)=N)C(NC(CC(O)=O)C(

	NC([H])C(NC(CS)C(NC(CCCCNC(N)=N)C(NC(C (C)([H])O)C(NC(C2CCCN2)C(NC(CCSC)C(NC(C2CCCN2)C(NC(CCC1=CNC2=C1C=CC=C2)C (NC(C(C)([H])O)C(NC(CC(O)=O)C(NC([H])C(NC (CCC(O)=O)C(NC(CCC(N)=O)C(NC([H])C(NC([H])C(NC(CC1=CC=CC=C1)C(NC(CO)C(NC(C2 CCCN2)C(NC(C(C)C)C(NC(CCC(O)=O)C(NC(C 2CCCN2)C(NC(CCC1=CNC2=C1C=CC=C2)C(NC(CC(C)C)C(NC(C2CCCN2)C(NC(CCSC)C(N C(CCC(O)=O)C(NC(C)C(NC(CCCCNC(N)=N)C(NC(CC1=CNC=N1)C(NC(CC(C)C)C(NC(CCC(O)=O)C(NC(CC(C)C)C(NC(C)C(NC(C(C)C)C(NC(CO)C(NC(CCCCNC(N)=N)C(NC(CCC(N)=O)C(NC(CCC(N)=O)C(NC(CC(O)=O)C(NC(CC(O)=O)C(NC(C2CCCN2)C(NC(CC(N)=O)C(NC(C)C(N C(C(C)([H])O)C(NC(CC(C)C)C(NC(CC(N)=O)C(NC(C(C)([H])O)C(NC(C(C)C)C(NC(CCCCNC(N) =N)C(NC(C)C(NC(CC(C)C)C(NC(CC(C)C)C(NC (C)C(NC(CC1=CC=CC=C1)C(NC(CCCCNC(N)= N)C(NC(CCCCNC(N)=N)C(NC(CO)C(NC(CC1= CNC=N1)C(NC(C2CCCN2)C(NC(C)C(NC(CC(C)C)C(NC(CC1=CC=CC=C1)C(NC(CC(O)=O)C(N C([H])C(NC(CC(O)=O)C(NC(CC(C)C)C(NC(CO) C(NC(CC(C)C)C(NC(C(C)C)C(NC(CC(O)=O)C(NC(C(C)C)C(NC([H])C(NC(CC(O)=O)C(NC(CC(O)=O)C(NC(CC(C)C)C(NC(CC(C)C)C(NC([H])C(NC(CC1=CC=CC=C1)C(NC(C(C)([H])O)C(NC(C CCCNC(N)=N)C(NC(CCC(N)=O)C(NC(CCCCN) C(NC([H])C(NC(CC(O)=O)C(NC(CCC(O)=O)C(NC(C(C)([H])O)C(NC(CC(C)C)C(NC(CC(C)C)C(NC(CS)C(NC(C(C)C)C(NC(CC1=CC=CC=C1)C(NC(CC(N)=O)C(NC(CC(C)C)C(NC(C(C)([H])O)C (NC([H])C(NC(CCC(N)=O)C(NC(CCC(O)=O)C(N C(CCC(N)=O)C(NC(CCC(N)=O)C(NC(C(C)([H]) O)C(NC(C(C)([H])O)C(NC(CC(C)C)C(NC(C2CC CN2)C(NC(C(C)C)C(NC(CCC(O)=O)C(NC(C(C) C)C(NC(C)C(NC(CO)C(NC(CC(O)=O)C(NC(CC(C)C)C(NC(C2CCCN2)C(NC(C(C)C)C(NC(C)C(N C(CC1=CNC=N1)C(NC(CC1=CC=CC=C1)C(NC (C(C)([H])O)C(NC(C)C(NC(C(C)([H])O)C(NC(CC CCNC(N)=N)C(NC(CC(O)=O)C(NC([H])C(NC(C O)C(NC(C(C)([H])O)C(NC(CC(C)C)C(NC(C(C)([H])O)C(NC(CC(C)C)C(NC(C2CCCN2)C(NC(C)C (NC(CC1=CC=C(O)C=C1)C(NC(CCC(N)=O)C(N C(C)C(NC(C)C(NC(CC1=CC=CC=C1)C(NC(CC SC)C(NC(CCC(N)=O)C(NC(C(C)C)C(NC(C)C(N CC(O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O) =O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O

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polyphenol oxidase	NC(CCSC)C(NC(C)C(NC(C(C)([H])O)C(NC(CC(C)C)C(NC(CO)C(NC(CO)C(NC(C2CCCN2)C(NC(C(C)([H])O)C(NC(C(CC)([H])C)C(NC(C(CC)([H])C)C(NC(C(C)([H])O)C(NC(C(C)([H])O)C(NC(C(C)([H])O)C(NC(CO)C(NC(C(CC)([H])C)C(NC(CC(C)C)C(NC(CC(C)C)C(NC(CC(N)=O)C(NC(CC(N)=O)C(NC(C2CCCN2)C(NC(CC1=CC=CC=C1)C(NC(CC(C)C)C(NC(C2CCCN2)C(NC(CCCCN)C(NC(C(C)([H])O)C(NC(C2CCCN2)C(NC(CCC(N)=O)C(NC(CC(C)C)C(NC(CO)C(NC(C)C(NC(CC1=CNC=N1)C(NC(CC1=CNC=N1)C(NC(CC1=CNC=N1)C(NC(CCCCNC(N)=N)C(NC([H])C(NC(C(C)C)C(NC(CCCCNC(N)=N)C(NC(CO)C(NC(C(C)C)C(NC(CC(N)=O)C(NC([H])C(NC(CCCCN)C(NC(C(C)C)C(NC(CO)C(NC(CS)C(NC(CCC(N)=O)C(NC(C(C)([H])O)C(NC(CCCCN)C(NC(CC(N)=O)C(NC(CC(N)=O)C(NC(CC(N)=O)C(NC([H])C(NC(CC(N)=O)C(NC(CC(O)=O)C(NC(CC(O)=O)C(NC(CC(N)=O)C(NC(CC(N)=O)C(NC(CC(N)=O)C(NC(CC1=CC=CC=C1)C(NC(CCC(N)=O)C(NC(CC(C)C)C(NC(C(CC)([H])C)C(NC(CCC(N)=O)C(NC(CC(N)=O)C(NC(C2CCCN2)C(NC(CC(N)=O)C(NC(C(C)([H])O)C(NC(CC(N)=O)C(NC(C(C)([H])O)C(NC(C2CCCN2)C(NC(CC1=CC=C(O)C=C1)C(NC(CC(C)C)C(NC(CC(C)C)C(NC(CC(O)=O)C(NC(CCCCNC(N)=N)C(NC(CCCCNC(N)=N)C(NC(CC(N)=O)C(NC(C(CC)([H])C)C(NC(CC(C)C)C(NC(CC(C)C)C(NC([H])C(NC(CC(C)C)C(NC([H])C(NC([H])C(NC(CCSC)C(NC(CC1=CC=C(O)C=C1)C(NC(C)C(NC(C)C(NC(CC(C)C)C(NC([H])C(NC(CO)C(NC(CCC(O)=O)C(NC([H])C(NC(C)C(NC(CC(N)=O)C(NC(CC1=CC=C(O)C=C1)C(NC(CC1=CC=C(O)C=C1)C(NC(CC(N)=O)C(NC(C(C)([H])O)C(NC(CC(C)C)C(NC(C)C(NC(C)C(NC(C2CCCN2)C(NC(C(CC)([H])C)C(NC(CC(C)C)C(NC(CC(O)=O)C(NC(CCCCN)C(NC(CS)C(NC(CS)C(NC(C(C)([H])O)C(NC(CC(C)C)C(NC(CO)C(NC(CC(O)=O)C(NC(C)C(NC(CC(C)C)C(NC(CCC1=CNC2=C1C=CC=C2)C(NC(CC(O)=O)C(NC([H])C(NC(CO)C(NC(C(C)C)C(NC([H])C(NC(CC(O)=O)C(NC(CC1=CNC=N1)C(NC(CS)C(NC(CS)C(NC(C2CCCN2)C(NC(C2CCCN2)C(NC(C2CCCN2)C(NC(CC1=CC=CC=C1)C(NC(CC(O)=O)C(NC(CC(C)C)C(NC(CC(N)=O)C(NC(C(CC)([H])C)C(NC(C(C)([H])O)C(NC(CCCCN)C(NC(CC(O)=O)C(NC(CC1=CC=CC=C1)C(NC(CCC(O)=O)C(NC(CC1=CC=CC=C1)C(NC(CCCCN)C(NC(CC(

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	1=CC=CC=C1)C(NC(C(CC)([H])C)C(NC(CCCCN)C(NC(CC1=CC=CC=C1)C(NC(CC(O)=O)C(NC(C(C)C)C(NC(CC1=CC=C(O)C=C1)C(NC(C(CC)([H])C)C(NC(CC(N)=O)C(NC(CC(O)=O)C(NC([H])C(NC(C(C)([H])O)C(NC(CC(O)=O)C(NC(CC1=CC=C(O)C=C1)C(NC(CCCCN)C(NC(C2CCCN2)C(NC(CCC(O)=O)C(NC(CC(O)=O)C(NC(CCCCN)C(NC(C(C)([H])O)C(NC(CCCCN)C(NC(C(CC)([H])C)C(NC(CC(N)=O)C(NC(CC(C)C)C(NC(CCC(O)=O)C(NC(CC1=CC=C(O)C=C1)C(NC(C)C(NC([H])C(NC(CO)C(NC(CC1=CC=CC=C1)C(NC(C(C)([H])O)C(NC(CO)C(NC(CC(C)C)C(NC(C(C)([H])O)C(NC(CC1=CNC=N1)C(NC([H])C(NC([H])C(NC([H])C(NC([H])C(NC([H])C(NC([H])C(NC([H])C(NC(CC(O)=O)C(NC(CCSC)C(NC(CO)C(NC(CC1=CNC=N1)C(NC(CCSC)C(NC(C)C(NC(CCC(O)=O)C(NC(CCC(O)=O)C(NC(CC(O)=O)C(NC(CCSC)C(NC([H])C(NC(CCCCN)C(NC(CC(N)=O)C(NC(C(C)([H])O)C(NC(C(C)C)C(NC(CC(C)C)C(NC(CCCCN)C(NC(CC(C)C)C(NC(C)C(NC(CC(C)C)C(NC(CC(N)=O)C(NC(CCC(N)=O)C(NC(CC(C)C)C(NC(CC(C)C)C(NC(CCC(O)=O)C(NC(CC(O)=O)C(NC(CC(C)C)C(NC(CC(O)=O)C(NC(C)C(NC(C(C)([H])O)C(NC(CC(O)=O)C(NC(CC(O)=O)C(NC(CC(O)=O)C(NC(CO)C(NC(C(CC)([H])C)C(NC(CCC(N)=O)C(NC(C(C)C)C(NC(C(C)([H])O)C(NC(C(CC)([H])C)C(NC(C(C)C)C(NC(C2CCCN2)C(NC(CCCCN)C(NC(CO)C(NC([H])C(NC(C(C)([H])O)C(NC(CC(O)=O)C(NC(CO)C(NC(C(CC)([H])C)C(NC(C(C)C)C(NC(C(CC)([H])C)C(NC(C(C)([H])O)C(NC([H])C(NC(C(CC)([H])C)C(NC(CC(O)=O)C(NC(C(CC)([H])C)C(NC(CCC(O)=O)C(NCC(O)=O

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peroxidase	NC(CCSC)C(NC(CC1=CNC=N1)C(NC(CC1=CC=CC=C1)C(NC(CO)C(NC(CO)C(NC(CO)C(NC(CO)C(NC(C(C)([H])O)C(NC(CC(C)C)C(NC(CC1=CC=CC=C1)C(NC(C(C)([H])O)C(NC(CS)C(NC(C(CC)([H])C)C(NC(C(C)([H])O)C(NC(CC(C)C)C(NC(C(CC)([H])C)C(NC(C2CCCN2)C(NC(CC(C)C)C(NC(C(C)C)C(NC(CS)C(NC(CC(C)C)C(NC(C(CC)([H])C)C(NC(CC(C)C)C(NC(CC1=CNC=N1)C(NC(C)C(NC(CO)C(NC(CC(C)C)C(NC(CO)C(NC(CC(O)=O)C(NC(C)C(NC(CCC(N)=O)C(NC(CC(C)C)C(NC(C(C)([H])O)C(NC(C2CCCN2)C(NC(C(C)([H])O)C(NC(CC1=CC=CC=C1)C(NC(CC1=CC=C(O)C=C1)C(NC(CC(O)=O)C(NC(CC(N)=O)C(NC(CO)C(NC(CS)C(NC(C2CCCN2)C(NC(CC(N)=O)C(NC(C(C)C)C(NC(CO)C(NC(CC(N)=O)C(NC(C(CC)([H])C)C(NC(C(C)C)C(NC(CCCCNC(N)=N)C(NC(CC(O)=O)C(NC(C(C)([H])O)C(NC(C(CC)([H])C)C(NC(C(C)C)C(NC(CC(N)=O)C(NC(CCC(O)=O)C(NC(CC(C)C)C(NC(CCCCNC(N)=N)C(NC(CO)C(NC(CC(O)=O)C(NC(C2CCCN2)C(NC(CCCCNC(N)=N)C(NC(C(CC)([H])C)C(NC(C)C(NC(C)C(NC(CO)C(NC(C(CC)([H])C)C(NC(CC(C)C)C(NC(CCCCNC(N)=N)C(NC(CC(C)C)C(NC(CC1=CNC=N1)C(NC(CC1=CC=CC=C1)C(NC(CC1=CNC=N1)C(NC(CC(O)=O)C(NC(CS)C(NC(CC1=CC=CC=C1)C(NC(C(C)C)C(NC(CC(N)=O)C(NC([H])C(NC(CS)C(NC(CC(O)=O)C(NC(C)C(NC(CO)C(NC(C(CC)([H])C)C(NC(CC(C)C)C(NC(CC(C)C)C(NC(CC(O)=O)C(NC(CC(N)=O)C(NC(C(C)([H])O)C(NC(C(C)([H])O)C(NC(CO)C(NC(CC1=CC=CC=C1)C(NC(CCCCNC(N)=N)C(NC(C(C)([H])O)C(NC(CCC(O)=O)C(NC(CCCCN)C(NC(CC(O)=O)C(NC(C)C(NC(CC1=CC=CC=C1)C(NC([H])C(NC(CC(N)=O)C(NC(C)C(NC(CC(N)=O)C(NC(CO)C(NC(C)C(NC(CCCCNC(N)=N)C(NC([H])C(NC(CC1=CC=CC=C1)C(NC(C2CCCN2)C(NC(C(C)C)C(NC(C(CC)([H])C)C(NC(CC(O)=O)C(NC(CCCCNC(N)=N)C(NC(CCSC)C(NC(CCCCN)C(NC(C)C(NC(C)C(NC(C(C)C)C(NC(CCC(O)=O)C(NC(CO)C(NC(C)C(NC(CS)C(NC(C2CCCN2)C(NC(CCCCNC(N)=N)C(NC(C(C)([H])O)C(NC(C(C)C)C(NC(CO)C(NC(CS)C(NC(C)C(NC(CC(O)=O)C(NC(CC(C)C)C(NC(CC(C)C)C(NC(C(C)([H])O)C(NC(C(CC)([H])C)C(NC(C)C(NC(C)C(NC(CCC(N)=O)C(NC(CCC(N)=O)C(NC(CO)C(NC(C(C)C)C(NC(C(C)([H])O)C(NC(CC(C)C)C(NC(C)C(NC([H])C(NC([H])C(NC(C2CCCN2)C(NC(CO)C(NC(CCC1=CNC2=C1C=CC=C2)C(

	NC(CCCCNC(N)=N)C(NC(C(C)C)C(NC(C2CCCN2)C(NC(CC(C)C)C(NC([H])C(NC(CCCCNC(N)=N)C(NC(CCCCNC(N)=N)C(NC(CC(O)=O)C(NC(CO)C(NC(CC(C)C)C(NC(CCC(N)=O)C(NC(C)C(NC(CC1=CC=CC=C1)C(NC(CC(C)C)C(NC(CC(O)=O)C(NC(CC(C)C)C(NC(C)C(NC(CC(N)=O)C(NC(C)C(NC(CC(N)=O)C(NC(CC(C)C)C(NC(C2CCCN2)C(NC(C)C(NC(C2CCCN2)C(NC(CC1=CC=CC=C1)C(NC(CC1=CC=CC=C1)C(NC(C(C)([H])O)C(NC(CC(C)C)C(NC(C2CCCN2)C(NC(CCC(N)=O)C(NC(CC(C)C)C(NC(CCCCN)C(NC(CC(O)=O)C(NC(CO)C(NC(CC1=CC=CC=C1)C(NC(CCCCNC(N)=N)C(NC(CC(N)=O)C(NC(C(C)C)C(NC([H])C(NC(CC(C)C)C(NC(CC(N)=O)C(NC(CCCCNC(N)=N)C(NC(CO)C(NC(CO)C(NC(CC(O)=O)C(NC(CC(C)C)C(NC(C(C)C)C(NC(CC(C)C)C(NC(CO)C(NC([H])C(NC([H])C(NC(CC1=CNC=N1)C(NC(C(C)([H])O)C(NC(CC1=CC=CC=C1)C(NC([H])C(NC(CCCCN)C(NC(CC(N)=O)C(NC(CCC(N)=O)C(NC(CS)C(NC(CCCCNC(N)=N)C(NC(CC1=CC=CC=C1)C(NC(C(CC)([H])C)C(NC(CCSC)C(NC(CC(O)=O)C(NC(CCCCNC(N)=N)C(NC(CC(C)C)C(NC(CC1=CC=C(O)C=C1)C(NC(CC(N)=O)C(NC(CC1=CC=CC=C1)C(NC(CO)C(NC(CC(N)=O)C(NC(C(C)([H])O)C(NC([H])C(NC(CC(C)C)C(NC(C2CCCN2)C(NC(CC(O)=O)C(NC(C2CCCN2)C(NC(C(C)([H])O)C(NC(CC(C)C)C(NC(CC(N)=O)C(NC(C(C)([H])O)C(NC(CC1=CC=C(O)C=C1)C(NC(CC(C)C)C(NC(CCC(N)=O)C(NC(C(C)([H])O)C(NC(CC(C)C)C(NC(CCCCNC(N)=N)C(NC([H])C(NC(CC(C)C)C(NC(CS)C(NC(C2CCCN2)C(NC(CC(C)C)C(NC(CC(N)=O)C(NC([H])C(NC(CC(N)=O)C(NC(CC(C)C)C(NC(CO)C(NC(C)C(NC(CC(C)C)C(NC(C(C)C)C(NC(CC(O)=O)C(NC(CC1=CC=CC=C1)C(NC(CC(O)=O)C(NC(CC(C)C)C(NC(CCCCNC(N)=N)C(NC(C(C)([H])O)C(NC(C2CCCN2)C(NC(C(C)([H])O)C(NC(CC(C)C)C(NC(CC(N)=O)C(NC(CC1=CC=CC=C1)C(NC(CC(O)=O)C(NC(CC(N)=O)C(NC(CCCCN)C(NC(CC1=CC=C(O)C=C1)C(NC(CC1=CC=C(O)C=C1)C(NC(C(C)C)C(NC(CC(N)=O)C(NC(CC(C)C)C(NC(CCC(O)=O)C(NC(CCC(O)=O)C(NC(CCC(N)=O)C(NC(CCCCN)C(NC([H])C(NC(CC(C)C)C(NC(C(CC)([H])C)C(NC(CCC(N)=O)C(NC(CO)C(NC(CC(O)=O)C(NC(CCC(N)=O)C(NC(CCC(O)=O)C(NC(CC(C)C)C(NC(CC1=CC=CC=C1)C(NC(CO)C(NC(CO)C(NC(C2CCCN2)C(NC(CC(N)=O)C(NC(C)C(NC(C(C)([H])O)

	C(NC(CC(O)=O)C(NC(C(C)([H])O)C(NC(C(CC)([H])C)C(NC(C2CCCN2)C(NC(CC(C)C)C(NC(C(C)C)C(NC(CCCCNC(N)=N)C(NC(CO)C(NC(CC1=CC=CC=C1)C(NC(C)C(NC(CC(N)=O)C(NC(CO)C(NC(C(C)([H])O)C(NC(CCC(N)=O)C(NC(C(C)([H])O)C(NC(CC1=CC=CC=C1)C(NC(CC1=CC=CC=C1)C(NC(CC(N)=O)C(NC(C)C(NC(CC1=CC=CC=C1)C(NC(C(C)C)C(NC(CCC(O)=O)C(NC(C)C(NC(CCSC)C(NC(CC(O)=O)C(NC(CCCCNC(N)=N)C(NC(CCSC)C(NC([H])C(NC(CC(N)=O)C(NC(C(CC)([H])C)C(NC(C(C)([H])O)C(NC(C2CCCN2)C(NC(CC(C)C)C(NC(C(C)([H])O)C(NC([H])C(NC(C(C)([H])O)C(NC(CCC(N)=O)C(NC([H])C(NC(CCC(N)=O)C(NC(C(CC)([H])C)C(NC(CCCCNC(N)=N)C(NC(CC(C)C)C(NC(CC(N)=O)C(NC(CS)C(NC(CCCCNC(N)=N)C(NC(C(C)C)C(NC(C(C)C)C(NC(CC(N)=O)C(NC(CO)C(NC(CC(N)=O)C(NC(CO)C(NC(CC(C)C)C(NC(CC(C)C)C(NC(CC1=CNC=N1)C(NC(CC(O)=O)C(NC(CCSC)C(NC(C(C)C)C(NC(CCC(O)=O)C(NC(C(C)C)C(NC(C(C)C)C(NC(CC(O)=O)C(NC(CC1=CC=CC=C1)C(NC(C(C)C)C(NC(CO)C(NC(CO)C(NC(CCSC)C(NCC(O)=O

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adenosine-5-triphosphatase	C1=NC(=C2C(=N1)N(C=N2)C3C(C(C(O3)COP(=O)(O)OP(=O)(O)OP(=O)(O)O)O)O)N
arabinose	C1C(C(C(C(O1)O)O)O)O
fructose	C1C(C(C(C(O1)(CO)O)O)O)O
galactose	C(C1C(C(C(C(O1)O)O)O)O)O
galacturonic acid	C1(C(C(OC(C1O)O)C(=O)O)O)O
alpha and beta d-glucose	C(C(C(C(C(C=O)O)O)O)O)O
altro-heptulose	C(C1C(C(C(C(O1)(CO)O)O)O)O)O
d-manno-heptulose	C(C(C(C(C(C(=O)CO)O)O)O)O)O
mannose	C(C1C(C(C(C(O1)O)O)O)O)O
d-glycerol-d-manno-octulose	C(C(C(C(C(C(C(=O)CO)O)O)O)O)O)O
rhamnose	CC1C(C(C(C(O1)O)O)O)O
ribose	C1C(C(C(C(O1)O)O)O)O
xylose	C1C(C(C(C(O1)O)O)O)O
sucrose	C(C1C(C(C(C(O1)OC2(C(C(C(O2)CO)O)O)CO)O)O)O)O
maltose	C(C1C(C(C(C(O1)OC2C(OC(C(C2O)O)O)CO)O)O)O)O
raffinose	C(C1C(C(C(C(O1)OCC2C(C(C(C(O2)OC3(C(C(C(O3)CO)O)O)CO)O)O)O)O)O)O)O
cellulose	C(C1C(C(C(C(O1)OC2C(OC(C(C2O)O)O)CO)O)O)O)O
hemicellulose	CC(C(C1=CC=CC=C1)O)NC.CC(C(C1=CC=CC=C1)O)NC
pectin	C1(C(C(OC(C1O)O)C(=O)O)O)O
xylan	C1C(C(C(C(O1)O)O)O)O
arabitol	C(C(C(C(CO)O)O)O)O
erythritol	C(C(C(CO)O)O)O
galactitol	C(C(C(C(C(CO)O)O)O)O)O
glycerol	C(C(CO)O)O
mannitol	C(C(C(C(C(CO)O)O)O)O)O
ribitol	C(C1C(C(C(O1)C(C(C(C(CO)O)O)O)O)O)O)O
sorbitol	C(C(C(C(C(CO)O)O)O)O)O

xylitol	C(C(C(C(CO)O)O)O)O
d-minus bornesitol	OC1C(O)C(O)C(OC)C(O)C1O
plus inositol	C1(C(C(C(C(C1O)O)O)O)O)O
myo inositol	C1(C(C(C(C(C1O)O)O)O)O)O
plus quebrachitol	COC1C(C(C(C(C1O)O)O)O)O
galactosamine	C(C1C(C(C(C(O1)O)N)O)O)O
glucosamine	C(C1C(C(C(C(O1)O)N)O)O)O
n-nonane	CCCCCCCCC
n-decane	CCCCCCCCCC
n-undecane	CCCCCCCCCCC
n-dodecane	CCCCCCCCCCCC
n-tridecane	CCCCCCCCCCCCC
d-tetradecane	CCCCCCCCCCCCCC
3,6-dimethyl-tridecane	CCCCC(C)CCC(C)CC
n-pentadecane	CCCCCCCCCCCCCCC
2,6-dimethyl tetradecane	CCCCCCCCC(C)CCCC(C)C
n-hexadecane	CCCCCCCCCCCCCCCC
n-heptadecane	CCCCCCCCCCCCCCCCC
2,6-dimethyl hexadecane	CCCCCCCCCCCC(C)CCC(C)C
n-octadecane	CCCCCCCCCCCCCCCCCC
3,6-dimethyl heptadecane	CCCCCCCCCCCC(C)CC(C)CC
3,7-dimethyl heptadecane	CCCCCCCCCCC(C)CCC(C)CC
n-nonadecane	CCCCCCCCCCCCCCCCCCC
3,6-dimethyl octadecane	CCC(C)CCC(C)CC
3,7-dimethyl octadecane	CC(C)CCCC(C)CC
n-eicosane	CCCCCCCCCCCCCCCCCCCC
n-heneicosane	CCCCCCCCCCCCCCCCCCCCC
3-methyl tricosane	CCCCCCCCCCCCCCCCCCCCC(C)CC
n-tetracosane	CCCCCCCCCCCCCCCCCCCCCC
2-methyl tetracosane	CCCCCCCCCCCCCCCCCCCCCC(C)C
n-pentacosane	CCCCCCCCCCCCCCCCCCCCCCC
n-hexacosane	CCCCCCCCCCCCCCCCCCCCCCCC
3-methyl-pentacosane	CCCCCCCCCCCCCCCCCCCCCC(C)CC
2-methyl hexacosane	CCCCCCCCCCCCCCCCCCCCCCCC(C)C
n-heptacosane	CCCCCCCCCCCCCCCCCCCCCCCCC

3-methyl heptacosane	CCCCCCCCCCCCCCCCCCCCCCCC(C)CC
n-octacosane	CCCCCCCCCCCCCCCCCCCCCCCCCCCC
2-methyl octacosane	CCCCCCCCCCCCCCCCCCCCCCCCCCC(C)C
9-methyl octacosane	CCCCCCCCCCCCCCCCCCC(C)CCCCCCCC
n-nonacosane	CCCCCCCCCCCCCCCCCCCCCCCCCCCCC
3-methyl triacontane	CCCCCCCCCCCCCCCCCCCCCCCCCCCC(C)CC
n-triacotane	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
2-methyl hentriacontane	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCC(C)C
n-hentriacontane	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
3-methyl hentriacontane	CCCCCCCCCCCCCCCCCCCCCCCCCCCCC(C)CC
n-dotriacontane	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
2-methyl dotriacontane	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCC(C)C
n-tritriacontane	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
tetra-triacontane	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
pentatriacontane	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
hexatriacontane	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
heptatriacontane	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
octatriacontane	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
nonatriacontane	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
methanol	CO
ethanol	CCO
octanol-1	CCCCCCCC(O)
octanol-3	CCCCCC(O)CC
nonanol-1	CCCCCCCCC(O)
hexadecanol-1	CCCCCCCC(O)CCCCCC

acetaldehyde	CC=O
isobutyraldehyde	CC(C)C=O
pentanal	CCCCC=O
hexanal	CCCCCC=O
heptanal	CCCCCCC=O
octanal	CCCCCCCC=O
nonanal	CCCCCCCCC=O
decanal	CCCCCCCCCC=O
undecanal	CCCCCCCCCCC=O
dodecanal	CCCCCCCCCCCC=O
tridecanal	CCCCCCCCCCCCC=O
p-ethylbenzaldehyde	CCc1ccc(C=O)cc1
acetone	CC(C)=O
heptanone-2	CCCCCC(=O)C
2-methyl-2heptene-6-one	CC(C)=CCCC(C)=O
decanone-2	CCCCCCCCC(=O)C
undecanone-2	CCCCCCCCCC(=O)C
dodecanone-2	CCCCCCCCCCC(=O)C
pentadecanone-2	CCCCCCCCCCCCCC(=O)C
octanone-3	CCCCCC(=O)CC
2,2,6-trimethyl cyclohexanone	CC1CCCC(C)(C)C1=O
2,2,6-trimethyl-5-cyclohexenone	CC1=CCCC(C)(C)C1=O
3-decene-5-one	CCCCCC(=O)C=CCC
6,10-dimethyl undecanone-2	CC(C)CCCC(C)CCCC(=O)C
6,10,14-trimethyl pentadecanone-2	CC(C)CCCC(C)CCCC(C)CCCC(=O)C
arabinonic acid	C(C(C(C(C(=O)O)O)O)O)O
azelaic acid	C(CCCC(=O)O)CCCC(=O)O
cinnamic acid	C1=CC=C(C=C1)C=CC(=O)O
citric acid	OC(=O)CC(O)(CC(O)=O)C(O)=O
glucaric acid	OC(C(O)C(O)C(O)=O)C(O)C(O)=O
gluconic acid	OCC(O)C(O)C(O)C(O)C(O)=O
glyceric acid	OCC(O)C(O)=O
p-hydroxybenzoic acid	OC(=O)c1ccc(O)cc1
p-hydroxycinnamic acid	OC(=O)C=Cc1ccc(O)cc1

isocitric acid	OC(C(CC(O)=O)C(O)=O)C(O)=O
malic acid	OC(CC(O)=O)C(O)=O
malonic acid	OC(=O)CC(O)=O
3-methyoxy-4-hydroxycinnamic acetate	COC1=C(C=CC(=C1)C=CC(=O)O)[O-]
phosphoric acid	O[P](O)(O)=O
pyroglutamic acid	OC(=O)C1CCC(=O)N1
quinic acid	C1C(C(C(CC1(C(=O)O)O)O)O)O
succinic acid	OC(=O)CCC(O)=O
threonic acid	OCC(O)C(O)C(O)=O
vanillic acid	COc1cc(ccc1O)C(O)=O
arachidic acid	CCCCCCCCCCCCCCCCCCCC(O)=O
behenic acid	CCCCCCCCCCCCCCCCCCCCCC(O)=O
eicosadienic acid	CCCCCCCCCCCCCCCC=CC=CC(O)=O
eicosemic acid	O=C(O)CCCCCCC\C=C/CCCCCCCCCC
linoleic	CCCCC/C=C/C/C=C/CCCCCCCC(O)=O
linolenic acid	CC/C=C/C/C=C/C/C=C/CCCCCCCC(O)=O
myristic acid	CCCCCCCCCCCCCC(O)=O
oleic acid	CCCCCCCC\C=C/CCCCCCCC(O)=O
palmitic acid	CCCCCCCCCCCCCCCC(O)=O
palmitoleic acid	CCCCCC\C=C/CCCCCCCC(O)=O
sativic acid	CCCCCC(O)C(O)CC(O)C(O)CCCCCCCC(O)=O
stearic acid	CCCCCCCCCCCCCCCCCC(O)=O
benzyl acetate	CC(=O)OCc1ccccc1
para ethyl benzyl acetate	CCC1=CC=C(C=C1)COC(=O)C
3-hexenyl caproate	CCCCCC(=O)OCCC=CCC
hexyl acetate	CCCCCCOC(C)=O
hexyl butyrate	CCCCCCOC(=O)CCC
hexyl isobutyrate	CCCCCCOC(=O)C(C)C
methyl acetate	COC(C)=O
methyl linoleate	CCCCC/C=C\C\C=C/CCCCCCCC(=O)OC
methyl palmitate	CCCCCCCCCCCCCCCC(=O)OC
methyl salicylate	COC(=O)c1ccccc1O
octyl caproate	CCCCCCCCOC(=O)CCCCC

campesterol	CC(C)C(C)CCC(C)C1CCC2C3CC=C4CC(O)CCC4(C)C3CCC12C
campest-5-en-3beta-ol-7-one	CC(C)C(C)CCC(C)C1CCC2C1(CCC3C2=CCC4C3(CCC(C4)O)C)C
ergosterol	CC(C)C(C)/C=C/C(C)C1CCC2C3=CC=C4CC(O)CCC4(C)C3CCC12C
beta-sitosterol	CCC(CCC(C)C1CCC2C3CC=C4CC(O)CCC4(C)C3CCC12C)C(C)C
5alpha-stigmasta-7,24-dien-3beta-ol	CCC(CCC(C)C1CCC2C3=CCC4CC(O)CCC4(C)C3CCC12C)=C(C)C
stigmasta-5,22-dien-3beta-ol-7-one	CCC(C=CC(C)C1CCC2C1(CCC3C2CC=C4C3(CCC(C4)OC(=O)C)C)C)C(C)C
stigmast-5-en-3beta-ol-7-one	CCC(CCC(C)C1CCC2C1(CCC3C2CC=C4C3(CCC(C4)O)C)C)C(C)C
stigmast-4-en-3-one	CCC(CCC(C)C1CCC2C3CCC4=CC(=O)CCC4(C)C3CCC12C)C(C)C
stigmasterol	CCC(/C=C/C(C)C1CCC2C3CC=C4CC(O)CCC4(C)C3CCC12C)C(C)C
borneol	CC1(C)C2CCC1(C)C(O)C2
bornyl acetate	CC(=O)OC1CC2CCC1(C)C2(C)C
camphene	CC1(C)C2CCC(C2)C1=C
camphenehydrate	CC1(C2CCC(C2)C1(C)O)C
camphor	CC1(C)C2CCC1(C)C(=O)C2
delta-3 carene	CC1=CCC2C(C1)C2(C)C
delta-4 carene	CC1CC2C(C2(C)C)C=C1
carvacrol	CC(C)c1ccc(C)c(O)c1
carvone	CC(=C)C1CC=C(C)C(=O)C1
beta-cyclocitral	CC1=C(C=O)C(C)(C)CCC1
1,4-cineol	CC(C)C12CCC(C)(CC1)O2
1,8-cineol	CC12CCC(CC1)C(C)(C)O2
citral b	CC(C)=CCC\C(C)=C/C=O
citronellol	CC(CCO)CCC=C(C)C
para cymene	CC(C)c1ccc(C)cc1
para cymene-8-ol	CC1=CC=C(C=C1)C(C)(C)O
dihydrocarveyl acetate	CC1CCC(CC1OC(C)=O)C(C)=C
dihydrocarvone	CC1CCC(CC1=O)C(C)=C
fenchyl alcohol	CC1(C)C2CCC(C)(C2)C1O

fenchone	CC1(C)C2CCC(C)(C2)C1=O
geraniol	CC(C)=CCC\C(C)=C\CO
geranyl acetone	CC(C)=CCCC(/C)=C/CCC(C)=O
limonene	CC(=C)C1CCC(=CC1)C
linalool	CC(C)=CCCC(C)(O)C=C
linalool oxide	CC(C)=CCCC(C)(O)C1CO1
meta mentha-1,8-dien-5-ol	
1-methyl-4-iso-propenylbenzene	CC(=C)c1ccc(C)cc1
myrcene	CC(C)=CCCC(=C)C=C
nerol	CC(C)=CCC\C(C)=C/CO
nerolidol	CC(C)=CCCC(C)=CCCC(C)(O)C=C
beta-ocimene	CC(C)=CCC=C(C)C=C
perillene	CC(C)=CCCc1cocc1
alpha-phellandrene	CC(C)C1CC=C(C)C=C1
beta-phellandrene	CC(C)C1CCC(=C)C=C1
3-phenyl-2-methyl-prop-1-ene	CC(=C)Cc1ccccc1
alpha-pinene	CC1=CCC2CC1C2(C)C
beta-pinene	CC1(C)C2CCC(=C)C1C2
alpha-pinene oxide	CC1(C)C2CC3OC3(C)C1C2
pinocarveol	CC1(C)C2CC(O)C(=C)C1C2
pinocarvone	CC1(C)C2CC1C(=C)C(=O)C2
piperitenone	CC(C)=C1CCC(=CC1=O)C
piperitone oxide	CC(C)C1CCC2(C)OC2C1=O
piperitenone oxide	CC(C)=C1CCC2(C)OC2C1=O
pulegone	CC1CCC(=C(C)C)C(=O)C1
sabinene	CC(C)C12CCC(=C)C1C2
sabiene hydrate	CC(C)C12CCC(C1C2)(C)O
sabinol	CC(C)C12CC(O)C(=C)C1C2
safranal	CC1=C(C=O)C(C)(C)CC=C1
alpha thujene	CC1=CCC2(C1C2)C(C)C
alpha terpinene	CC1=CC=C(CC1)C(C)C
gamma terpinene	CC1=CCC(=CC1)C(C)C
alpha terpiene-4-ol	CC1=CCC(CC1)(C(C)C)O
alpha terpinolene	CC1=CCC(=C(C)C)CC1

alpha terpineol	CC1=CCC(CC1)C(C)(C)O
beta terpineol	CC(=C)C1CCC(CC1)(C)O
thujyl alcohol	CC(C)C12CC1C(C)CC2O
allo-aromadendrene	CC1CCC2C1C3C(C3(C)C)CCC2=C
alpha-bergamotene	CC(C)=CCCC1(C)C2CC=C(C)C1C2
beta bisabolene	CC1=CCC(CC1)C(=C)CCC=C(C)C
alpha bisabolol	CC1=CCC(CC1)C(C)(CCC=C(C)C)O
calamenene	CC(C)C1CCC(C)c2ccc(C)cc12
caryophyllene	C\C1=C/CCC(=C)C2CC(C)(C)C2CC1
alpha caryophyllene	CC1=CCC(C=CCC(=CCC1)C)(C)C
beta caryophyllene	CC1=CCCC(=C)C2CC(C2CC1)(C)C
alpha caryophyllene alcohol	CC1(CC2C(C1)C3(CCCC2(C3O)C)C)C
isocarophyllene	CC1=CCCC(=C)C2CC(C2CC1)(C)C
caryophyllene oxide	CC1(C)CC2C1CCC3(C)OC3CCC2=C
alpha cedrene	CC1CCC2C13CC=C(C(C3)C2(C)C)C
gamma cadinene	CC1=CC2C(CC1)C(=C)CCC2C(C)C
delta cadinene	CC1=CC2C(CCC(=C2CC1)C)C(C)C
alpha copaene	CC1=CCC2C3C1C2(CCC3C(C)C)C
alpha cubebene	CC1CCC(C2C13C2C(=CC3)C)C(C)C
alpha curcumene	CC1=CC=C(C=C1)C(C)CCC=C(C)C
beta cucumene	CC1=CCC(=CC1)C(C)CCC=C(C)C
gamma elemene	CC(=C1CCC(C(C1)C(=C)C)(C)C=C)C
gamma eudesmol	CC1=C2CC(CCC2(CCC1)C)C(C)(C)O
beta farnesene	CC(=CCCC(=CCCC(=C)C=C)C)C
z beta farnesene	CCC(=C)CCC=C(C)CCC=C(C)C
alpha farnesene	CC(=CCCC(=CCC=C(C)C=C)C)C
farnesol	CC(C)=CCCC(C)=CCCC(C)=CCO
farnesyl acetone	CC(C)=CCCC(C)=CCCC(C)=CCCC(C)=O
alpha gurjunene	CC1CCC2C(C2(C)C)C3=C(CCC13)C
guaiol	CC1CCC(CC2=C1CCC2C)C(C)(C)O

beta humulene	CC1=CCC(C=CCC(=C)CCC1)(C)C
humelene epoxide I	CC1=CCCC2(C(O2)CC(C=CC1)(C)C)C
humelene epoxide II	CC1=CCC(C=CCC2(C(O2)CC1)C)(C)C
ledol	CC1CCC2C1C3C(CCC2(C)O)C3(C)C
longifolene	CC1(C)CCCC2(C)C3CCC(C13)C2=C
epi-beta-sanalene	CC(=CCCC1(C2CCC(C2)C1=C)C)C
alpha selinene	CC1=CCCC2(C1CC(CC2)C(=C)C)C
beta selinene	CC(=C)C1CCC2(CCCC(=C)C2C1)C
selina-3,7-diene	CC(C)C1=CC[C@@]2(C)CCC=C(C)C2C1
selina-4,7-diene	CC1=C2CC(=CCC2(CCC1)C)C(C)C
friedelin	CC1C(=O)CCC2C1(C)CCC3C2(C)CCC4(C)C5CC(C)(C)CCC5(C)CCC34C
epifriedelanol	CC1C(O)CCC2C1(C)CCC3C2(C)CCC4(C)C5CC(C)(C)CCC5(C)CCC34C
vomifoliol	CC(O)/C=C/C1(O)C(=CC(=O)CC1(C)C)C
dihydrovomifoliol	CC1(C)CCCC2(C)OC(=O)C=C12
beta ionone	CC1=C(C(CCC1)(C)C)C=CC(=O)C
dihydroactinidiolide	CC1(CCCC2(C1=CC(=O)O2)C)C
acetylcannabispirol	COc1cc2CCC3(CCC(CC3)OC(=O)C)c2c(O)c1
cannabispiradienone	COC1=CC2=C(C(=C1)O)C3(CC2)C=CC(=O)C=C3
beta cannabispiranol	COC1=CC2=C(C(=C1)O)C3(CCC(CC3)O)CC2
cannabispirenone	COC1=CC2=C(C(=C1)O)C3(CCC(=O)C=C3)CC2
cannabispirenone-isomer	COC1=CC2=C(C(=C1)O)C3(CCC(=O)C=C3)CC2
cannabispirone	COC1=CC2=C(C(=C1)O)C3(CCC(=O)CC3)CC2
3-[2-(4-hydroxyphenyl)ethyl]-5-methoxyphenol	COc1cc(O)cc(CCc2ccc(O)cc2)c1
3-[2-(3-hydroxy-4-methoxyphenyl)ethyl]-5-methoxyphenol	COc1cc(O)cc(CCc2ccc(OC)c(O)c2)c1
3-[2-(3-isoprenyl-4-hydroxy-5-methoxy-phenyl)ethyl]-5-methoxyphenol	COc1cc(O)cc(CCc2cc(OC)c(O)c(C=CC(C)=C)c2)c1

canniprene	CC(=CCC1=C(C=CC(=C1O)OC)CCC2=CC(=CC(=C2)OC)O)C
eugenol	COc1cc(CC=C)ccc1O
isoeugenol	COc1cc(C=CC)ccc1O
anethol	COc1ccc(C=CC)cc1
methyleugenol	COc1ccc(CC=C)cc1OC
apigenin-7-O-para coumarylglucoside	OC1C(COC(=O)\C=C\C2=CC=C(O)C=C2)OC(OC2=CC(O)=C3C(=O)C=C(OC3=C2)C2=CC=C(O)C=C2)C(O)C1
cosmosioside	OCC1OC(Oc2cc(O)c3C(=O)C=C(Oc3c2)c4ccc(O)cc4)C(O)C(O)C1O
apigenin-O-glycoside	C1=CC(=CC=C1C2=CC(=O)C3=C(C=C(C=C3O2)OC4C(C(C(C(O4)CO)O)O)O)O)O
isovitesin-7-O-rhamnoglucoside	CC1C(C(C(C(O1)OC2=C(C(=C3C(=C2)OC(=CC3=O)C4=CC=C(C=C4)O)O)C5C(C(C(C(O5)CO)O)O)O)O)O)O
kaempferol-O-glycoside	C1=CC(=CC=C1C2=C(C(=O)C3=C(C=C(C=C3O2)OC4C(C(C(C(O4)CO)O)O)O)O)O)O
luteolin-O-glycoside	C1=CC(=C(C=C1C2=CC(=O)C3=C(C=C(C=C3O2)O)O)O)OC4C(C(C(C(O4)CO)O)O)O
orientin	OCC1OC(C(O)C(O)C1O)c2c(O)cc(O)c3C(=O)C=C(Oc23)c4ccc(O)c(O)c4
orientin-O-glucoside	C1=CC(=C(C=C1C2=CC(=O)C3=C(O2)C(=C(C=C3O)O)C4C(C(C(C(O4)CO)O)O)O)O)O
orientin-7-O-rhamnoglucoside	CC1C(C(C(C(O1)OC2=C(C3=C(C(=C2)O)C(=O)C=C(O3)C4=CC(=C(C=C4)O)O)C5C(C(C(C(O5)CO)O)O)O)O)O)O
quercetin-O-glucoside	C1=CC(=C(C=C1C2=C(C(=O)C3=C(C=C(C=C3O2)OC4C(C(C(C(O4)CO)O)O)O)O)O)O)O
vitexin-7-O-g-glucoside	C1=CC(=CC=C1C2=CC(=O)C3=C(O2)C(=C(C=C3O)OC4C(C(C(C(O4)CO)O)O)O)C5C(C(C(C(O5)CO)O)O)O)O
vitexin-O-glucoside	C1=CC(=CC=C1C2=CC(=O)C3=C(O2)C(=C(C=C3O)O)C4C(C(C(C(O4)CO)O)O)O)OC5C(C(C(C(O5)CO)O)O)O
vitexin-O-rhamnoglucoside	CC1C(C(C(C(O1)OC2C(C(C(OC2C3=C(C=C(C4=C3OC(=CC4=O)C5=CC=C(C=C5)O)O)O)CO)O)O)O)O)O
2-O-glucopyranosylvitexin	C1=CC(=CC=C1C2=CC(=O)C3=C(O2)C(=C(C=C3O)O)C4C(C(C(C(O4)CO)O)O)OC5C(C(C(C(O5)CO)O)O)O)O

vitamin k	CC(C)CCCC(C)CCCC(C)CCC/C(C)=C/CC1=C(C)C(=O)c2ccccc2C1=O
carotene	CC1=C(C(CCC1)(C)C)C=CC(=CC=CC(=CC=CC=C(C)C=CC=C(C)C=CC2=C(CCCC2(C)C)C)C)C
zanthophylls	CC1=C(C(CC(C1)O)(C)C)C=CC(=CC=CC(=CC=CC=C(C)C=CC=C(C)C=CC2C(=CC(CC2(C)C)O)C)C)C
cannabichromanone c3	CCCCCC1=CC(=C2C(=C1)OC(C(C2=O)CCC(=O)C)(C)C)O
cannabielsoin c3	CCCCCC1=CC(=C2C3C(CCC(C3OC2=C1)(C)O)C(=C)C)O
cannabielsoin acid b	CCCCCC1=CC(=C2C3C(CCC(C3OC2=C1C(=O)O)(C)O)C(=C)C)O

M.2: PhytoCannabinoids

cannabinerol	CCCCCC1=CC(=C(C(=C1)O)C/C=C(/C)\CCC=C(C)C)O
cannabinerolic acid	CCCCCC1=CC(=C(C(=C1C(=O)O)O)C/C=C(/C)\CCC=C(C)C)O
carmagerol	CCCCCC1=CC(=C(C(=C1)O)C/C=C(\C)/CCC(C(C)(C)O)O)O
rac-6-epoxycannabigerol	CCCCCC1=CC(=C(C(=C1)O)CC(O2)C2(CC\C=C(C)/C)C)O
rac-6-epoxycannabigerolic acid	CCCCCC1=CC(=C(C(=C1C(=O)O)O)CC(O2)C2(CC\C=C(C)/C)C)O
rac-6-epoxycannabinerol	CCCCCC1=CC(=C(C(=C1)O)CC(O2)C2(CC/C=C(C)\C)C)O
rac-6-epoxycannabinerolic acid	CCCCCC1=CC(=C(C(=C1C(=O)O)O)CC(O2)C2(CC/C=C(C)\C)C)O
gamma-eudesmyl cannabigerolate	CCCCCC1=CC(=C(C(=C1C(=O)OC(C)(C)C2CC3=C(C)CCCC3(C)CC2)O)C/C=C(\C)/CCC=C(C)C)O
gamma-cadinyl cannabigerolate	CCCCCC1=CC(=C(C(=C1C(=O)OC2(C)CC(C(C)C)C3C=C(C)CCC3C2)O)C/C=C(\C)/CCC=C(C)C)O
sesquicannabigerol	CCCCCC1=CC(=C(C(=C1)O)C/C=C(\C)/CC/C=C(\C)/CCC=C(C)C)O

deprenyl O-methyl cannabigerolic acid_amorfrutin 2	CCCCCC1=CC(=C(C(=C1C(=O)O)O)CC=C(C)C)OC
5-acetyl-4-hydroxycannabigerol	CCCCCC1=CC(=C(C(=C1O)OC(C)=O)C/C=C(\C)/CCC=C(C)C)O
acetylcannabigeroquinol	CCCCCC1=CC(C(=C(C1=O)OC(C)=O)C/C=C(\C)/CCC=C(C)C)=O
cannabigeroquinone	CCCCCC1=CC(C(=C(C1=O))C/C=C(\C)/CCC=C(C)C)=O
abnormal cannabigerol	CCCCCC1=C(C/C=C(\C)/CCC=C(C)C)C(=CC(=C1)O)O
acetyl abnormal hydrocannabigeroquinol	CCCCCC1=C(C/C=C(\C)/CCC=C(C)C)C(=CC(=C1OC(C)=O)O)O
abnormal cannabigeroquinol	CCCCCC1=C(C/C=C(\C)/CCC=C(C)C)C(C=C(C1=O)O)=O
2-hydroxy-1,2-dihydrocannabichromene_cyclo-CBG	CCCCCC1=CC(=C2CC(O)C(C)(CCC=C(C)C)OC2=C1)O
cannabichromenic acid	CCCCCC1=C(C(O)=O)C(=C2C=CC(OC2=C1)(C)CCC=C(C)C)O
cannabiorcichromene	CC1=CC(=C2C=CC(OC2=C1)(C)CCC=C(C)C)O
cannabiorcichromenic acid	CC1=C(C(O)=O)C(=C2C=CC(OC2=C1)(C)CCC=C(C)C)O
chlorcannabiorcichromenic acid	CC1=C(C(O)=O)C(=C2C=CC(OC2=C1Cl)(C)CCC=C(C)CC)O
4-acetoxycannabichromene	CCCCCC1=CC(=C2C=CC(OC2=C1OC(C)=O)(C)CCC=C(C)C)O
anthopogochromenic acid	O=C(O)C1=C(C=C2C=CC(OC2=C1C)(C)CCC=C(C)C)O
confluentin	CC1=CC(=C2C=CC(OC2=C1)(C)CC/C=C(\C)/CCC=C(C)C)O
daurichromenic acid	CC1=C(C(O)=O)C(=C2C=CC(OC2=C1)(C)CC/C=C(\C)/CCC=C(C)C)O
8-hydroxyisocannabichromene	CCCCCC1=CC(=C2C=CC(OC2=C1)(C)CCC(O)C(=C)C)O
o-methylcannabidiol	CCCCCC1=CC(=C(C(=C1)O)C2C=C(CCC2C(=C)C)C)OC
o-propylcannabidiol	CCCCCC1=CC(=C(C(=C1)O)C2C=C(CCC2C(=C)C)C)OCCC
o-pentylcannabidiol	CCCCCC1=CC(=C(C(=C1)O)C2C=C(CCC2C(=C)C)C)OCCCCC

ferruginene C	CC1=CC(C(CC1)C(=C)CCC(C(=C)C)O)C2=C(C=C(C=C2O)C)O
cannabioxepane	CCCCCC1=CC2=C3C(=C1)OCC(=C)C4=C3C(=C(C=C4)C)O2
10-hydroxy delta-8-tetrahydrocannabinol	CCCCCC1=CC(=C2C3C(O)C(=CCC3C(OC2=C1)(C)C)C)O
11-acetoxy delta-8-tetrahydrocannabinolic acid	CCCCCC1=CC2=C(C3CC(=CCC3C(O2)(C)C)COC(C)=O)C(=C1C(=O)O)O
8-hydroxy delta-9-tetrahydrocannabinol	CCCCCC1=CC(=C2C3C=C(C(O)CC3C(OC2=C1)(C)C)C)O
8-oxo delta-9-tetrahydrocannabinol	CCCCCC1=CC(=C2C3C=C(C(=O)CC3C(OC2=C1)(C)C)C)O
o-propyl delta-9-tetrahydrocannabinol	CCCCCC1=CC(=C2C3C=C(CCC3C(OC2=C1)(C)C)C)OCCC
o-pentyl delta-9-tetrahydrocannabinol	CCCCCC1=CC(=C2C3C=C(CCC3C(OC2=C1)(C)C)C)OCCCCC
2-formyl delta-9-tetrahydrocannabinol	CCCCCC1=C(C=O)C(=C2C3C=C(CCC3C(OC2=C1)(C)C)C)O
fenchyl delta-9-tetrahydrocannabinolate	CCCCCC1=CC2=C(C3C=C(CCC3C(O2)(C)C)C)C(=C1C(=O)OC4C(C5CCC4(C5)C)(C)C)O
bornyl delta-9-tetrahydrocannabinolate	CCCCCC1=CC2=C(C3C=C(CCC3C(O2)(C)C)C)C(=C1C(=O)OC4CC5CCC4(C5(C)C)C)O
alpha-terpinyl delta-9-tetrahydrocannabinolate	CCCCCC1=C(C(OC(C)(C)C2CC=C(C)CC2)=O)C(=C3C4C=C(CCC4C(OC3=C1)(C)C)C)O
4-terpinyl delta-9-tetrahydrocannabinolate	CCCCCC1=C(C(OC(C)C2(C)CC=C(C)CC2)=O)C(=C3C4C=C(CCC4C(OC3=C1)(C)C)C)O
gamma-eudesmyl delta-9-tetrahydrocannabinolate	CCCCCC1=C(C(OC(C)(C)C2CC3=C(C)CCCC3(C)CC2)=O)C(=C4C5C=C(CCC5C(OC4=C1)(C)C)C)O
alpha-cadinyl delta-9-tetrahydrocannabinolate	CCCCCC1=C(C(OC2(C)CC(C(C)C)C3C=C(C)CCC3C2)=O)C(=C4C5C=C(CCC5C(OC4=C1)(C)C)C)O
tetrahydrocannabinol epoxide	CCCCCC1=CC(=C2C3C(O4)C4(C)CCC3C(OC2=C1)(C)(C))O
hexahydrocannabinol	CCCCCC1=CC(=C2C3CC(CCC3C(OC2=C1)(C)C)C)O
hydroxy-delta-9,11-tetrahydrocannabinol	CCCCCC1=CC(=C2C3C(O)C(CCC3C(OC2=C1)(C)C)=C)O

methylen-bis-delta-9-tetrahydrocannabinol_cannabisol	CCCCCC1=CC2=C(C3C=C(CCC3C(O2)(C)C)C)C(=C1CC4=C(C5=C(C=C4CCCCC)OC(C6C5C=C(CC6)C)(C)C)O)O
cannabiorcicitran	CC1=CC2=C3C4CC(CCC4C(O2)(C)C)(OC3=C1)C
bis-nor-cannabitriol	CCCC1=CC(=C2C(=C1)OC(C3=C2C(C(CC3)(O)C)O)(C)C)O
10-o-ethyl-bis-nor-cannabitriol	CCCC1=CC(=C2C(=C1)OC(C3=C2C(C(CC3)(O)C)OCC)(C)C)O
isocannabitriol	CCCCCC1=CC(=C2C(=C1)OC(C3=C2C(C(C(O)C3)(O)C))(C)C)O
10-o-ethyl-cannabitriol	CCCCCC1=CC(=C2C(=C1)OC(C3=C2C(C(CC3)(O)C)OCC)(C)C)O
9,10-anhydrocannabitriol	CCCCCC1=CC(=C2C(=C1)OC(C3=C2C4O(C4(CC3)C))(C)C)O
7,8-dehydro-10-o-ethylcannabitriol	CCCCCC1=CC(=C2C(=C1)OC(C3=C2C(C(C=C3)(O)C)OCC)(C)C)O
delta-7-isotetrahydrocannabivarin	CCCC1=CC(=C2C3CC(CCC3C(=C)C)(OC2=C1)C)O
delta-7-isotetrahydrocannabinol	CCCCCC1=CC(=C2C3CC(CCC3C(=C)C)(OC2=C1)C)O
cannabiglendol	CCCC1=CC(=C2C3CC(CCC3C(C)(C)O)(OC2=C1)C)O
bis-nor-cannabielsoin	CCCC1=CC(=C2C3C(CCC(C3OC2=C1)(C)O)C(=C)C)O
bis-nor-cannabielsoic acid B	CCCC1=CC(=C2C3C(CCC(C3OC2=C1C(=O)O)(C)O)C(=C)C)O
ferruginene A	CC1=CC(=C2C3C(CCC(C3OC2=C1)(C)O)C(=C)CCC(C(=C)C)O)O
ferruginene B	CC1=CC(=C2C3C(CCC(C3OC2=C1)(C)O)C(=C)CC=CC(C)(C)O)O
cannabiorcicyclol	CC1=CC(=C2C3C4C(C3(C)C)CCC4(OC2=C1)C)O
cannabiorcicyclolic acid	CC1=CC2=C(C3C4C(C3(C)C)CCC4(O2)C)C(=C1C(=O)O)O
anthopogocyclolic acid	OC1=CC(=C2C3C4C(C3(C)C)CCC4(OC2=C1)C)C
rhododaurichromanic acid A	OC1=C(C(O)=O)C(=C2C3C4C(C3(CC=C(C)C)C)CCC4(OC2=C1)C)C
nor-cannabivarin	CCC1=CC(=C2C(=C1)OC(C3=C2C=C(C=C3)C)(C)C)O

o-methylcannabinol	CCCCCC1=CC(=C2C(=C1)OC(C3=C2C=C(C=C3)C)(C)C)OC
o-propylcannabinol	CCCCCC1=CC(=C2C(=C1)OC(C3=C2C=C(C=C3)C)(C)C)OCCC
o-pentylcannabinol	CCCCCC1=CC(=C2C(=C1)OC(C3=C2C=C(C=C3)C)(C)C)OCCCCC
7-hydroxycannabinol	CCCCCC1=CC(=C2C(=C1)OC(C3=C2C=C(C=C3(O))C)(C)C)O
8-hydroxycannabinol	CCCCCC1=CC(=C2C(=C1)OC(C3=C2C=C(C(O)=C3)C)(C)C)O
8-hydroxycannabinolic acid	CCCCCC1=C(C(O)=O)C(=C2C(=C1)OC(C3=C2C=C(C(O)=C3)C)(C)C)O
7,8-dihydrocannabinol	CCCCCC1=CC(=C2C(=C1)OC(C3=C2C=C(CC3)C)(C)C)O
4-terpenylcannabinolate	CCCCCC1=CC2=C(C3=C(C=CC(=C3)C)C(O2)(C)C)C(=C1C(=O)OC4(CCC(=CC4)C)C(C)C)O
cannabichromanone	CCCCCC1=CC(=C2C(=C1)OC(C(C2=O)CCC(=O)C)(C)C)O
bis-nor-cannabichromanone	CCCC1=CC(=C2C(=C1)OC(C(C2=O)CCC(=O)C)(C)C)O
cannabichromanone B	CCCCCC1=CC(=C2C(=C1)OC(C(C2=O)C(O)CC(=O)C)(C)C)O
cannabichromanone C	CCCCCC1=CC(=C2C(=C1)OC(C(C2=O)CC(=O)C(=O)C)(C)C)O
cannabicoumaronone	CCCCCC1=CC2=C3C(=C1)OC(C(C3=CO2)CCC(=O)C)(C)C
cannabicoumarononic acid	CCCCCC1=C(C(O)=O)C2=C3C(=C1)OC(C(C3=CO2)CCC(=O)C)(C)C
cannabimovone	CCCCCC1=CC(=C(C(=C1)O)C2C(CC(C2O)C(=O)C)C(=C)C)O
anhydrocannabimovone	CCCCCC1=CC(=C2C(=C1)OC3C2C(CC3C(=O)C)C(=C)C)O
amorfrutin 1_amorfrutin A	CC(=CCC1=C(C=C(C(=C1O)C(=O)O)CCC2=CC=CC=C2)OC)C
demethyldecarboxyamorfrutin A	CC(=CCC1=C(C=C(C=C1O)CCC2=CC=CC=C2)O)C
demethylamorfrutin A	CC(=CCC1=C(C(C(O)=O)=C(C=C1O)CCC2=CC=CC=C2)O)C
decarboxyamorfrutin A	CC(=CCC1=C(C=C(C=C1OC)CCC2=CC=CC=C2)O)C

amorfrutin 4_amorfrutin C	CC(=CCC1=C(C(=C(C(=C1OC)CC=C(C)C)O)C(=O)OC)CCC2=CC=CC=C2)C
heli-cannabigerol	CC(=CCC/C(=C\CC1=C(C=C(C=C1O)CCC2=CC=CC=C2)O)C)C
hydroxy-heli-cannabigerol	CC(=CCC/C(=C\CC1=C(C=C(C=C1O)CCC2=CC=C(O)C=C2)O)C)C
amorfrutin B	CC(=CCC/C(=C/CC1=C(C=C(C(=C1O)C(=O)O)CCC2=CC=CC=C2)OC)/C)C
demethylamorfrutin B	CC(=CCC/C(=C\CC1=C(C(C(O)=O)=C(C=C1O)CCC2=CC=CC=C2)O)C)C
decarboxyamorfrutin B	CC(=CCC/C(=C\CC1=C(C=C(C=C1OC)CCC2=CC=CC=C2)O)C)C
chiricanin A	CC(=CCC1=C(C=C(C=C1O)C=CC2=CC=CC=C2)O)C
arachidin-2	CC(=CCC1=C(C=C(C=C1O)C=CC2=CC=C(C=C2)O)O)C
glepidotin C	CC(=C)C(CC1=C(C=C(C=C1O)CCC2=CC=CC=C2)O)O
amorfrutin 3	CC(=C)C(CC1=C(C=C(C(=C1O)C(=O)O)CCC2=CC=CC=C2)OC)O
arachidin-3	CC(C)/C=C/C1=C(C=C(C=C1O)/C=C/C2=CC=C(C=C2)O)O
arachidin-1	CC(C)/C=C/C1=C(C=C(C=C1O)/C=C/C2=CC(=C(C=C2)O)O)O
arachidin-4	CC(C)(CCC1=C(C=C(C=C1O)/C=C/C2=CC=C(C=C2)O)O)O
amorfrutin D	CC(=C(CC/C(=C/CC1=C(C=C(C(=C1O)C(=O)O)CCC2=CC=CC=C2)OC)/C)O)C
machaeridol A	CC1CCC(C(C1)C2=C(C=C(C=C2O)/C=C/C3=CC=CC=C3)O)C(=C)C
machaeridol B	CC1CCC(C(C1)C2=C(C=C(C=C2O)/C=C/C3=CC=CC=C3O)O)C(=C)C
machaeridol C	CC1CCC(C(C1)C2=C(C=C(C=C2O)C3=CC4=CC=CC=C4O3)O)C(=C)C
machaeriol A	CC1CCC2C(C1)C3=C(C=C(C=C3OC2(C)C)/C=C/C4=CC=CC=C4)O
machaeriol B	CC1CCC2C(C1)C3=C(C=C(C=C3OC2(C)C)C4=CC5=CC=CC=C5O4)O
machaeriol C	CC1CCC2C(C1)C3=C(C=C(C=C3OC2(C)C)/C=C/C4=CC=CC=C4O)O

machaeriol D	CC1CC2C(CC1O)C(OC3=CC(=CC(=C23)O)C4=CC5=CC=CC=C5O4)(C)C
tetrahydrocannabiphorol	CCCCCCCC1=CC(=C2C3C=C(CCC3C(OC2=C1)(C)C)C)O
cannabidiphorol	CCCCCCCC1=CC(=C(C(=C1)O)C2C=C(CCC2C(=C)C)C)O

Section N: Chemical Warfare

N.1: Organophosphorous Nerve Toxic Agents

tabun	CCOP(=O)(C#N)N(C)C
sarin	CC(C)OP(=O)(C)F
soman	CC(C(C)(C)C)OP(=O)(C)F
cyclosarin	CP(=O)(OC1CCCCC1)F
vx	CCOP(C)(=O)SCCN(C(C)C)C(C)C
russian vx	CCN(CC)CCSP(=O)(C)OCC(C)C
mirzayanov-a230	CCN(CC)C(C)=N[P](C)(F)=O
mirzayanov-a232	CCN(CC)C(\C)=N\P(F)(=O)OC
mirzayanov-a234	CCOP(F)(=O)\N=C(/C)\N(CC)CC
hoenig-a230	Cl/C(F)=N/OP(F)(OCCCl)=O
hoenig-a232	Cl/C(F)=N/OP(F)(OC(C)CCl)=O
hoenig-a234	Cl/C(F)=N/OP(F)(OC(C)C(C)Cl)=O
novichok-5	FP1OC(C)CO1
novichok-7	FP1OC(C)C(C)O1

Section O: Chemical Education

O.1: Organic and Inorganic Bronsted Acids

sulfuric acid	OS(O)(=O)=O
hydrogen iodide	[H]I
hydrogen bromide	[H]Br

hydrogen chloride	[H]Cl
benzenesulfonic acid	OS(C1=CC=CC=C1)(=O)=O
methanesulfonic acid	CS(O)(=O)=O
nitric acid	[O-][N+](O)=O
trifluoroacetic acid	OC(C(F)(F)F)=O
benzoic acid	OC(C1=CC=CC=C1)=O
acetic acid	CC(O)=O
carbonic acid	OC(O)=O
thiophenol	SC1=CC=CC=C1
hydrogen sulfide	[H]S[H]
peracetic acid	CC(OO)=O
phthalimide	O=C1NC(C2=CC=CC=C21)=O
nitroethane	CC[N+]([O-])=O
pentane-2,4-dione	CC(CC(C)=O)=O
hydrogen cyanide	N#C[H]
hexafluoroisopropanol	OC(C(F)(F)F)C(F)(F)F
phenol	OC1=CC=CC=C1
methanethiol	CS
diethyl malonate	O=C(CC(OC)=O)OC
cyclopentadiene	C1=CC=CC1
water	O
ethanol	OCC
cyclohexanone	O=C1CCCCC1
acetamide	CC(N)=O
isopropanol	CC(C)O
t-butanol	CC(C)(C)O
acetone	CC(C)=O
ethyl acetate	CC(OCC)=O
ethyne	C#C
acetonitrile	N#CC
dimethylsulfone	CS(C)(=O)=O
dimethylsulfoxide	CS(C)=O
ammonia	N
diisopropylamine	CC(C)NC(C)C
toluene	CC1=CC=CC=C1

benzene	C1=CC=CC=C1
propene	C=CC
ethene	C=C
methane	C

Section P: Animals

P.1: Drugs Made From Snake Venom

ziconotide	CC1C(=O)NC(C(=O)NC2CSSCC3C(=O)NC(C(=O)NC(C(=O)NCC(=O)NC(C(=O)NC(CSSCC(C(=O)NC(CSSCC(C(=O)NC(C(=O)NCC(=O)NC(C(=O)NCC(=O)N1)CCCCN)CCCCN)N)C(=O)NC(C(=O)NCC(=O)NC(C(=O)N3)CO)C(C)O)NC(=O)C(NC(=O)C(NC(=O)C(NC(=O)C(NC(=O)C(NC(=O)C(NC2=O)CO)CCCNC(=N)N)CC(C)C)CCSC)CC4=CC=C(C=C4)O)CC(=O)O)C(=O)N)CCCCN)CO)CCCNC(=N)N)CCCCN
captopril	CC(CS)C(=O)N1CCCC1C(=O)O
tirofiban	CCCCS(=O)(=O)NC(CC1=CC=C(C=C1)OCCCCC2CCNCC2)C(=O)O
eptifibatide	C1CC2C(=O)NC(CSSCCC(=O)NC(C(=O)NCC(=O)NC(C(=O)NC(C(=O)N2C1)CC3=CNC4=CC=CC=C43)CC(=O)O)CCCCN=C(N)N)C(=O)N

batroxobin	NC(CCSC)C(NC(C(C)C)C(NC(CC(C)C)C(NC(C(CC)([H])C)C(NC(CCCCNC(N)=N)C(NC(C(C)C)C(NC(C(CC)([H])C)C(NC(C)C(NC(CC(N)=O)C(NC(CC(C)C)C(NC(CC(C)C)C(NC(C(CC)([H])C)C(NC(CC(C)C)C(NC(CCC(N)=O)C(NC(C(C)C)C(NC(CO)C(NC(CC1=CC=C(O)C=C1)C(NC(C)C(NC(CCC(N)=O)C(NC(CCCCN)C(NC(CO)C(NC(CO)C(NC(CCC(O)=O)C(NC(CC(C)C)C(NC(C(C)C)C(NC(C(CC)([H])C)C(NC([H])C(NC([H])C(NC(CC(O)=O)C(NC(CCC(O)=O)C(NC(CS)C(NC(CC(O)=O)C(NC(C(CC)([H])C)C(NC(CC(N)=O)C(NC(CCC(O)=O)C(NC(CC1=CNC=N1)C(NC(C2CCCN2)C(NC(CC1=CC=CC=C1)C(NC(CC(C)C)C(NC(C)C(NC(CC1=CC=CC=C1)C(NC(CCSC)C(NC(CC1=CC=C(O)C=C1)C(NC(CC1=CC=C(O)C=C1)C(NC(CO)C(NC(C2CCCN2)C(NC(CCCCNC(N)=N)C(NC(CC1=CC=C(O)C=C1)C(NC(CC1=CC=CC=C1)C(NC(CS)C(NC([H])C(NC(CCSC)C(NC(C(C)C)O)C(NC(CC(C)C)C(NC(CC(N)=O)C(NC(CCC(N)=O)C(NC(CCC(O)=O)C(NC(CCC1=CNC2=C1C=CC=C2)C(NC(C(C)C)C(NC(CC(C)C)C(NC(C(C)C)([H])O)C(NC(C(C)C)C(NC(C(CC)([H])C)C(NC(CC(N)=O)C(NC(CCC(N)=O)C(NC(CCC(O)=O)C(NC(CC1=CNC=N1)C(NC(CS)C(NC(CC(N)=O)C(NC(CCCCNC(N)=N)C(NC(CCCCNC(N)=N)C(NC(CC1=CC=CC=C1)C(NC(CCSC)C(NC(CCCCNC(N)=N)C(NC(C(CC)([H])C)C(NC(CC1=CNC=N1)C(NC(CC(C)C)C(NC([H])C(NC(CCCCN)C(NC(CC1=CNC=N1)C(NC(C)C(NC([H])C(NC(CO)C(NC(C(C)C)C(NC(C)C(NC(CC(N)=O)C(NC(CC1=CC=C(O)C=C1)C(NC(CC(O)=O)C(NC(CCC(O)=O)C(NC(CC(C)C)C(NC(C(CC)([H])C)C(NC(CCCCN)C(NC(CC1=CC=CC=C1)C(NC(C(CC)([H])C)C(NC(CS)C(NC(C2CCCN2)C(NC(CC(N)=O)C(NC(CCCCN)C(NC(CCCCN)C(NC(CC(N)=O)C(NC(C(C)C)C(NC(CC(O)=O)C(NC(CCCCN)C(NC(C(C)C)([H])C)C(NC(C(C)([H])O)C(NC(CC(O)=O)C(NC(CCCCN)C(NC(CCC(O)=O)C(NC(CC(C)C)C(NC(CCSC)C(NC(CC(C)C)C(NC(C(CC)([H])C)C(NC(CCCCNC(N)=N)C(NC(CC(C)C)C(NC(CC(O)=O)C(NC(CCCCNC(N)=N)C(NC(CC1=CNC=N1)C(NC(C(CC)([H])C)C(NC(C)C(NC(C2CCCN2)C(NC(CC(C)C)C(NC(CO)C(NC(CC(C)C)C(NC(C2CCCN2)C(NC(CO)C(NC(CC(N)=O)C(NC(C2CCCN2)C(NC(C2CCCN2)C(NC(CO)C(NC(C(C)C)C(NC([H])C(NC(CO)C(NC(C(C)C)C(NC(CS)C(NC(CCCCNC(N)=N)C(NC(C(CC)([H])C)C(NC(CCSC)C(NC([H])C(NC(CCC1=CNC2=C1C=CC=C2)C(NC([H])C(NC(C)C(NC(C(CC)([H])C)C(NC(C(C)([H])O)C(NC(C(C)([H])O)C(NC(CO)C(NC(CCC(O)=O)C(NC(CC(O)=O)C(NC(C(C)([H])O)C(NC(CC1=CC=C(O)C=C1)C(NC(C2CCCN2)C(NC(CC(O)=O)C(NC(C(C)C)C(NC(C2CCCN2)C(NC(CC1=CNC=N1)C(NC(CS)C(NC(C)C(NC(CC(N)=O)C(NC(C(CC)([H])C)C(NC(CC(N)=O)C(NC(CC(C)C)C(NC(CC1=CC=CC=C1)C(NC(CC(N)=O)C(NC(CC(N)=O)C(NC(C(C)([H])O)C(NC(C(C)C)C(NC(CS)C(NC(CCCCNC(N)=N)C(NC(CCC(O)=O)C(NC(C)C(NC(CC1=CC=C(O)C=C1)C(NC(CC(N)=O)C(NC([H])C(NC(CC(C)C)C(NC(C2CCCN2)C(NC(C)C(NC(CCCCN)C(NC(

	C(C)([H])O)C(NC(CC(C)C)C(NC(CS)C(NC(C)C(NC([H])C(NC(C(C)C)C(NC(CC(C)C)C(NC(CCC(N)=O)C(NC([H])C(NC([H])C(NC(C(CC)([H])C)C(NC(CC(O)=O)C(NC(C(C)([H])O)C(NC(CS)C(NC([H])C(NC([H])C(NC(CC(O)=O)C(NC(CO)C(NC([H])C(NC([H])C(NC(C2CCCN2)C(NC(CC(C)C)C(NC(C(CC)([H])C)C(NC(CS)C(NC(CC(N)=O)C(NC([H])C(NC(CCC(N)=O)C(NC(CC1=CC=CC=C1)C(NC(CCC(N)=O)C(NC([H])C(NC(C(CC)([H])C)C(NC(CC(C)C)C(NC(CO)C(NC(CCC1=CNC2=C1C=CC=C2)C(NC([H])C(NC(CO)C(NC(CC(O)=O)C(NC(C2CCCN2)C(NC(CS)C(NC(C)C(NC(CCC(O)=O)C(NC(C2CCCN2)C(NC(CCCCNC(N)=N)C(NC(CCCCN)C(NC(C2CCCN2)C(NC(C)C(NC(CC1=CC=CC=C1)C(NC(CC1=CC=C(O)C=C1)C(NC(C(C)([H])O)C(NC(CCCCN)C(NC(C(C)C)C(NC(CC1=CC=CC=C1)C(NC(CC(O)=O)C(NC(CC1=CC=C(O)C=C1)C(NC(CC(C)C)C(NC(C2CCCN2)C(NC(CCC1=CNC2=C1C=CC=C2)C(NC(C(CC)([H])C)C(NC(CCC(N)=O)C(NC(CO)C(NC(C(CC)([H])C)C(NC(C(CC)([H])C)C(NC(C)C(NC([H])C(NC(CC(N)=O)C(NC(CCCCN)C(NC(C(C)([H])O)C(NC(C)C(NC(C(C)([H])O)C(NC(CS)C(NC(C2CCCN2)C(NCC(O)=O
hemocoagulase	NC(CC(O)=O)C(NC(CS)C(NC(CO)C(NC(CO)C(NC([H])C(NC(CCC1=CNC2=C1C=CC=C2)C(NC(CO)C(NC(CO)C(NC(CC1=CC=C(O)C=C1)C(NC(CCC(O)=O)C(NC([H])C(NC(CC1=CNC=N1)C(NC(CS)C(NC(CC1=CC=C(O)C=C1)C(NC(CCCCN)C(NC(C(C)C)C(NC(CC1=CC=CC=C1)C(NC(CCCCN)C(NC(CCC(N)=O)C(NC(CO)C(NC(CCCCN)C(NC(C(C)([H])O)C(NC(CCC1=CNC2=C1C=CC=C2)C(NC(C)C(NC(CC(O)=O)C(NC(C)C(NC(CCC(O)=O)C(NC(CO)C(NC(CC1=CC=CC=C1)C(NC(CS)C(NC(C(C)([H])O)C(NC(CCCCN)C(NC(CCC(N)=O)C(NC(C(C)C)C(NC(CC(N)=O)C(NC([H])C(NC([H])C(NC(CC1=CNC=N1)C(NC(CC(C)C)C(NC(C(C)C)C(NC(CO)C(NC(CC(C)C)C(NC(CCC(O)=O)C(NC(CO)C(NC(CO)C(NC([H])C(NC(CCC(O)=O)C(NC(C)C(NC(CC(O)=O)C(NC(CC1=CC=CC=C1)C(NC(C(C)C)C(NC([H])C(NC(CCC(N)=O)C(NC(CC(C)C)C(NC(CC(C)C)C(NC(C)C(NC(CCC(N)=O)C(NC(

	CCCCN)C(NC(CC(C)C)C(NC(CCCCN)C(NC(CO)C(NC(C)C(NC(CCCCN)C(NC(CC(C)C)C(NC(CC1=CNC=N1)C(NC(C(C)C)C(NC(CCC1=CNC2=C1C=CC=C2)C(NC(CC(C)C)C(NC([H])C(NC(CC(C)C)C(NC(CCCCNC(N)=N)C(NC(C)C(NC(CCC(N)=O)C(NC(CC(N)=O)C(NC(CCCCN)C(NC(CCC(O)=O)C(NC(CCCCN)C(NC(CCC(N)=O)C(NC(CS)C(NC(CO)C(NC(CC(C)C)C(NC(CCC(N)=O)C(NC(CCC1=CNC2=C1C=CC=C2)C(NC(CO)C(NC(CC(O)=O)C(NC([H])C(NC(CO)C(NC(CO)C(NC(CC(C)C)C(NC(CO)C(NC(CC1=CC=C(O)C=C1)C(NC(CCC(O)=O)C(NC(CC(N)=O)C(NC(CCC1=CNC2=C1C=CC=C2)C(NC(CC(C)C)C(NC(CCC(O)=O)C(NC(CCC(O)=O)C(NC(CCC(O)=O)C(NC(CO)C(NC(CCCCN)C(NC(CCCCN)C(NC(CS)C(NC(CC(C)C)C(NC([H])C(NC(C(C)C)C(NC(CC1=CNC=N1)C(NC(CC(C)C)C(NC(CCC(O)=O)C(NC(C(C)([H])O)C(NC([H])C(NC(CC1=CC=CC=C1)C(NC(CCCCN)C(NC(CCC1=CNC2=C1C=CC=C2)C(NC(CCC(O)=O)C(NC(CC(N)=O)C(NC(CCCCN)C(NC(CCC1=CNC2=C1C=CC=C2)C(NC(CO)C(NC(CC1=CC=C(O)C=C1)C(NC(CCC(O)=O)C(NC([H])C(NC(CC1=CNC=N1)C(NC(CS)C(NC(CC1=CC=C(O)C=C1)C(NC(CCCCN)C(NC(C2CCCN2)C(NC(CC1=CC=CC=C1)C(NC(CC(N)=O)C(NC(CCC(O)=O)C(NC(C2CCCN2)C(NC(CCCCN)C(NC(CC(N)=O)C(NC(CCC1=CNC2=C1C=CC=C2)C(NC(C)C(NC(CC(O)=O)C(NC(C)C(NC(CC(O)=O)C(NC(CC1=CC=CC=C1)C(NC(CS)C(NC(C(C)([H])O)C(NC(CCCCN)C(NC(CCC(N)=O)C(NC(CC1=CNC=N1)C(NC(C(C)([H])O)C(NC([H])C(NC([H])C(NC(CC1=CNC=N1)C(NC(CC(C)C)C(NC(C(C)C)C(NC(CO)C(NC(CC1=CC=CC=C1)C(NC(CCC(N)=O)C(NC(CO)C(NC(C(C)([H])O)C(NC(CCC(O)=O)C(NC(CCC(O)=O)C(NC(C)C(NC(CC(O)=O)C(NC(CC1=CC=CC=C1)C(NC(C(C)C)C(NC(CCCCN)C(NC(CC(C)C)C(NC(C)C(NC(CC1=CC=CC=C1)C(NC(CCC(N)=O)C(NC(C(C)([H])O)C(NC(CC1=CC=CC=C1)C(NC(CC(O)=O)C(NC(CC1=CC=C(O)C=C1)C(NC([H])C(NC(CC(C)C)C(NC(CC1=CC=CC=C1)C(NC([H])C(NC(CC(C)C)C(NC(CCC1=CNC2=C1C=CC=C2)C(NC(CC1=CC=CC=C1)C(NC([H])C(NC(CC(C)C)C(NC(CCCCN)C(NC(CC(C)C)C(NC(CCC1=CNC2=C1C=CC=C2)C(NC(CC(N)=O)C(NC(CCC(N)=O)C(NC(CS)C(NC(CC(N)=O)C(NC(CCC1=CNC2=C1C=CC=C2)C(NC(CCC(N)=O)C(NC(CCC1=CNC2=C1C=CC=C2)C(NC(CO)C(NC(CC(N)=O)C(NC(C)C(NC(C)C(NC(CCSC)C(NC(CC(C)C)C(NC(CCCCN)C(NC(CC1=CC=C(O)C=C1)C(NC(C(C)([H])O)C(NC(CC(O)=O)C(NC(CCC1=CNC2=C1C=CC=C2)C(NC(C)C(NC(CCC(O)=O)C(NC(CCC(O)=O)C(NC(CO)C(NC(CC1=CC=C(O)C=C1)C(NC(CS)C(NC(C(C)C)C(NC(CC1=CC=C(O)C=C1)C(NC(CC1=CC=CC=C1)C(NC(CCCCN)C(NC(CO)C(NC(C(C)([H])O)C(NC(CC(N)=O)C(NC(CC(N)=O)C(NC(CCC

	CN)C(NC(CCC1=CNC2=C1C=CC=C2)C(NC(CCCCNC(N)=N)C (NC(CO)C(NC(CC(C)C)C(NC(C(C)([H])O)C(NC(CS)C(NC(CCC CNC(N)=N)C(NC(CCSC)C(NC(CC(C)C)C(NC(C)C(NC(CC(N)= O)C(NC(CC1=CC=CC=C1)C(NC(C(C)C)C(NC(CS)C(NC(CCC(O)=O)C(NC(CC1=CC=CC=C1)C(NC(CCC(N)=O)C(NC(C)C(NC C(O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)= O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O) =O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)= O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O) =O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)= O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O) =O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)= O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O) =O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)= O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O) =O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O
alpha cobrotoxin	NC(CC(C)C)C(NC(CCC(O)=O)C(NC(CS)C(NC(CC1=CNC=N1) C(NC(CC(N)=O)C(NC(CCC(N)=O)C(NC(CCC(N)=O)C(NC(CO) C(NC(CO)C(NC(CCC(N)=O)C(NC(C(C)([H])O)C(NC(C2CCCN2) C(NC(C(C)([H])O)C(NC(C(C)([H])O)C(NC(C(C)([H])O)C(NC([H]) C(NC(CS)C(NC(CO)C(NC([H])C(NC([H])C(NC(CCC(O)=O)C(N C(C(C)([H])O)C(NC(CC(N)=O)C(NC(CS)C(NC(CC1=CC=C(O)C =C1)C(NC(CCCCN)C(NC(CCCCN)C(NC(CCCCNC(N)=N)C(NC (CCC1=CNC2=C1C=CC=C2)C(NC(CCCCNC(N)=N)C(NC(CC(O)=O)C(NC(CC1=CNC=N1)C(NC(CCCCNC(N)=N)C(NC([H])C(NC(CC1=CC=C(O)C=C1)C(NC(CCCCNC(N)=N)C(NC(C(C)([H]) O)C(NC(CCC(O)=O)C(NC(CCCCNC(N)=N)C(NC([H])C(NC(CS) C(NC([H])C(NC(CS)C(NC(C2CCCN2)C(NC(CO)C(NC(C(C)C)C(NC(CCCCN)C(NC(CC(N)=O)C(NC([H])C(NC(C(CC)([H])C)C(N C(CCC(O)=O)C(NC(C(CC)([H])C)C(NC(CC(N)=O)C(NC(CS)C(NC(CS)C(NC(C(C)([H])O)C(NC(C(C)([H])O)C(NC(CC(O)=O)C(NC(CCCCNC(N)=N)C(NC(CS)C(NC(CC(N)=O)C(NC(CC(N)=O) C(NCC(O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O) =O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)= O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O

Thank You

Thank you to everyone that contributed to this project in providing information. It wouldn't have not been possible without the *general* knowledge of the people.