Supporting Information

Can easy chemistry produce complex, diverse and novel molecules?

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Table S1. Listing the coupling reactions making up the random set of 10k compounds according to https://www.nextmovesoftware.com/namerxn.html

Count	Class Number	Class Name	Class Sub Name
1	1.1.3	N-substitution with alkyl-X	Iodo N-methylation
2	1.1.4	N-substitution with alkyl-X	N-methylation
3	1.1.5	N-substitution with alkyl-X	Bromo Menshutkin reaction
4	1.1.6	N-substitution with alkyl-X	Chloro Menshutkin reaction
5	1.1.7	N-substitution with alkyl-X	Iodo Menshutkin reaction
6	1.2.1	Reductive amination	Aldehyde reductive amination
7	1.2.10	Reductive amination	Formaldehyde reductive amination
8	1.2.12	Reductive amination	Dimethyl acetal reductive amination
9	1.2.13	Reductive amination	Aziridine + amine coupling
10	1.2.14	Reductive amination	Epoxide + amine coupling
11	1.2.2	Reductive amination	Aldehyde reductive imination
12	1.2.3	Reductive amination	Alkylimino-de-oxo-bisubsitution
13	1.2.4	Reductive amination	Eschweiler-Clarke methylation
14	1.2.5	Reductive amination	Ketone reductive amination
15	1.2.6	Reductive amination	Ketone reductive imination
16	1.2.9	Reductive amination	Alcohol + amine condensation
17	1.3.1	N-arylation with Ar-X	Bromo Buchwald-Hartwig amination
18	1.3.10	N-arylation with Ar-X	Triflyloxy N-arylation
19	1.3.12	N-arylation with Ar-X	Mesyl N-arylation
20	1.3.2	N-arylation with Ar-X	Chloro Buchwald-Hartwig amination
21	1.3.5	N-arylation with Ar-X	Chan-Lam arylamine coupling
22	1.3.6	N-arylation with Ar-X	Bromo N-arylation
23	1.3.7	N-arylation with Ar-X	Chloro N-arylation
24	1.3.8	N-arylation with Ar-X	Fluoro N-arylation
25	1.3.9	N-arylation with Ar-X	Iodo N-arylation
26	1.6.12	Heteroaryl N-alkylation	Tosyloxy N-alkylation
27	1.6.2	Heteroaryl N-alkylation	Bromo N-alkylation
28	1.6.4	Heteroaryl N-alkylation	Chloro N-alkylation
29	1.6.8	Heteroaryl N-alkylation	Iodo N-alkylation
30	1.6.9	Heteroaryl N-alkylation	Mesyloxy N-alkylation
31	1.7.1	O-substitution	Chan-Lam ether coupling
32	1.7.11	O-substitution	SNAr ether synthesis
33	1.7.12	O-substitution	Alkene ether synthesis
34	1.7.13	O-substitution	Ether synthesis
35	1.7.17	O-substitution	Epoxide + alcohol coupling
36	1.7.18	O-substitution	Pinner reaction
37	1.7.3	O-substitution	Ethyl esterification
38	1.7.4	O-substitution	Hydroxy to methoxy
39	1.7.5	O-substitution	Hydroxy to triflyloxy
40	1.7.6	O-substitution	Methyl esterification
41	1.7.7	O-substitution	Mitsunobu aryl ether synthesis

42	1.7.8	O-substitution	Ullmann condensation
43	1.7.9	O-substitution	Williamson ether synthesis
44	1.8.4	S-substitution	Sulfinic acid + iodide reaction
45	1.8.5	S-substitution	Thioether synthesis
46	1.8.6	S-substitution	S-methylation
		Other heteroatom	Michaelis-Arbuzov reaction
47	1.9.1	alkylation/arylation	
4.0	1010	Other heteroatom	Phosphorus Menshutkin reaction
48	1.9.12	alkylation/arylation	D
49	1.9.4	Other heteroatom alkylation/arylation	Bromo stannylation
77	1.7.7	Other heteroatom	Stannylation
50	1.9.8	alkylation/arylation	
51	2.2.1	N-sulfonylation	Sulfinamide Schotten-Baumann
52	2.2.3	N-sulfonylation	Sulfonamide Schotten-Baumann
53	2.3.1	N-acylation to urea	Isocyanate + amine urea coupling
54	2.3.2	N-acylation to urea	Isothiocyanate + amine thiourea coupling
55	2.3.4	N-acylation to urea	Amino to ureido
56	2.3.5	N-acylation to urea	Amino to thioureido
57	2.3.6	N-acylation to urea	Urea Curtius reaction
58	2.3.7	N-acylation to urea	CDI urea synthesis
		Carbamate/carbonate	Carbamate Curtius reaction
59	2.4.1	formation	
(0	2.4.2	Carbamate/carbonate	Isocyanate + alcohol reaction
60	2.4.2	formation	Imidic ester + amine reaction
61	2.5.2	Amidine formation	Thioimidic ester + amine reaction
62	2.5.4	Amidine formation	Nitrile + amine reaction
63	2.5.5	Amidine formation	Ester Schotten-Baumann
64	2.6.1	O-acylation to ester	Esterification Esterification
65	2.6.2	O-acylation to ester	Fischer-Speier esterification
66	2.6.3	O-acylation to ester	Hydroxy to imidazolecarbonyloxy
67	2.6.6	O-acylation to ester	Steglich esterification
68	2.6.9	O-acylation to ester	Sulfonic ester Schotten-Baumann
69	2.7.2	O-sulfonylation	Phosphonamide Schotten-Baumann
70	2.8.3	Other acylation	S-Thioester synthesis
71	2.8.5	Other acylation	Bromo Suzuki coupling
72	3.1.1	Suzuki coupling	Chloro Suzuki coupling
73	3.1.2	Suzuki coupling	Iodo Suzuki coupling
74	3.1.3	Suzuki coupling	Bromo Suzuki-type coupling
75	3.1.5	Suzuki coupling	,, , , ,
76	3.1.6	Suzuki coupling	Chloro Suzuki-type coupling
77	3.1.7	Suzuki coupling	Iodo Suzuki-type coupling
78	3.1.8	Suzuki coupling	Triflyloxy Suzuki-type coupling
79	3.10.1	Friedel-Crafts reaction	Friedel-Crafts acylation
80	3.11.1	Other C-C bond formation	Aldol addition
81	3.11.10	Other C-C bond formation	Strecker aldehyde reaction

		1	T
82	3.11.11	Other C-C bond formation	Strecker ketone reaction
83	3.11.13	Other C-C bond formation	Ullmann-type biaryl coupling
84	3.11.14	Other C-C bond formation	Vilsmeier-Haack reaction
85	3.11.16	Other C-C bond formation	Wurtz-Fittig coupling
86	3.11.2	Other C-C bond formation	Aldol condensation
87	3.11.3	Other C-C bond formation	Diels-Alder cycloaddition
88	3.11.31	Other C-C bond formation	Henry reaction
89	3.11.34	Other C-C bond formation	Knoevenagel condensation
90	3.11.38	Other C-C bond formation	Alkyne + aldehyde reaction
91	3.11.46	Other C-C bond formation	Baylis-Hillman reaction
92	3.11.5	Other C-C bond formation	Horner-Wadsworth-Emmons reaction
93	3.11.52	Other C-C bond formation	Cyanoalkane alkylation
94	3.11.6	Other C-C bond formation	Mannich reaction
95	3.11.74	Other C-C bond formation	Olefin hydroalkylation
96	3.11.76	Other C-C bond formation	Michael-Henry reaction
97	3.2.1	Heck reaction	Bromo Heck reaction
98	3.2.5	Heck reaction	Bromo Heck-type reaction
99	3.2.6	Heck reaction	Chloro Heck-type reaction
100	3.2.7	Heck reaction	Iodo Heck-type reaction
101	3.3.2	Sonogashira reaction	Bromo Sonogashira coupling
102	3.3.3	Sonogashira reaction	Chloro Sonogashira coupling
103	3.3.4	Sonogashira reaction	Iodo Sonogashira coupling
103	3.3.5	Sonogashira reaction	Triflyloxy Sonogashira coupling
105	3.4.3	Stille reaction	Bromo Stille reaction
106	3.4.4	Stille reaction	Chloro Stille reaction
107	3.4.5	Stille reaction	Iodo Stille reaction
108	3.5.1	Other Pd-catalyzed reactions	Hiyama coupling
	3.5.2		Kumada coupling
109	+	Other Pd-catalyzed reactions	Negishi coupling
110	3.5.3	Other Pd-catalyzed reactions	Bromo Grignard + nitrile ketone synthesis
111	3.7.10	Grignard reaction	Bromo Grignard + Intrie Retone synthesis
112	3.7.2	Grignard reaction	
113	3.7.3	Grignard reaction	Chloro Grignard reaction
114	3.8.1	Wittig olefination	Wittig olefination
115	3.9.12	Other organometallic C-C bond formation	Olefin metathesis
11)	J.7.12	Other organometallic C-C	Weinreb ketone synthesis
116	3.9.13	bond formation	weiner reconc synthesis
		Other organometallic C-C	Weinreb bromo coupling
117	3.9.14	bond formation	
		Other organometallic C-C	Weinreb iodo coupling
118	3.9.17	bond formation	D. I. D. I.
110	202	Other organometallic C-C	Bromo ketone Barbier reaction
119	3.9.2	bond formation Other organometallic C-C	Simmons-Smith reaction
120	3.9.23	bond formation	Simmons-Simui reaction
120	3.7.63	DONG TOTHIAUOH	<u>l</u>

		Other organometallic C-C	Bouveault aldehyde synthesis
121	3.9.25	bond formation	
		Other organometallic C-C	Grignard Bouveault aldehyde synthesis
122	3.9.26	bond formation	
		Other organometallic C-C	Lithium Bouveault aldehyde synthesis
123	3.9.27	bond formation	
		Other organometallic C-C	Decarboxylative coupling
124	3.9.41	bond formation	
		Other organometallic C-C	Minisci reaction
125	3.9.44	bond formation	
		Other organometallic C-C	Negishi-type coupling
126	3.9.60	bond formation	
		Other organometallic C-C	Blaise ketone synthesis
127	3.9.61	bond formation	
		Other organometallic C-C	Kulinkovich-Szymoniak reaction
128	3.9.67	bond formation	

Table S2. Listing of 50 FDA approved drugs, and their corresponding reagents (amines and acids/acid chlorides)

				Identifier		Identi
#	SMILES	Drug Name	Amine reactant	(amine)	acid/acid chloride/ester reactant	fier
						MFCD
١.			c1ccc(cc1)C(=O)c2ccc3c(MFCD015		00000
1	COC(=0)Nc1[nH]c2ccc(cc2n1)C(=0)c3ccccc3	Mebendazole	c2)nc([nH]3)N	29678	COC(=O)Cl	639
						MFCD
l_		Albendazole	CCCS(=O)c1ccc2c(c1)[nH	MFCD299	22.4	00000
2	CCCS(=O)c1ccc2c(c1)[nH]c(n2)NC(=O)OC	Sulfoxide]c(n2)N	24114	COC(=0)Cl	639
				14500000		MFCD
١,	-1(1)C/ O\NCCC/ O\O	D-ti	C(CN)C(O)O	MFCD000	-1/1)6/ 0)6	00000
3	c1ccc(cc1)C(=O)NCCC(=O)O	Betamipron	C(CN)C(=O)O	08200	c1ccc(cc1)C(=O)Cl	653
	-1(1)C/_O\NC3CCN/CC3\CC-3-[-11]-4-3		-12-/-1)-/-[-11]2)(CD)	MECDOOS		MFCD
١,	c1ccc(cc1)C(=O)NC2CCN(CC2)CCc3c[nH]c4c3cc	to demonstra	c1ccc2c(c1)c(c[nH]2)CCN	MFCD002	-1/1)6/ 0)6	00000
4	cc4	Indoramin	3CCC(CC3)N	77757	c1ccc(cc1)C(=O)Cl	653
				MFCD000		MFCD 00000
5	c1cc(ccc1C(=O)NCCN2CCOCC2)Cl	Moclobemide	C1COCCN1CCN	06182	c1cc(ccc1C(=O)Cl)Cl	686
	CICCCCCCC CONCCINECTOCCE (CONCCINECTOCCE) CI	Mocioberniae	CICOCCNICCN	00102	Cicciccic(-0)cijci	MFCD
				MFCD000		00000
6	CC(=O)NCCCS(=O)(=O)O	AcamprosaicAcid	C(CN)CS(=O)(=O)O	08225	CC(=O)Cl	719
۳		AcamprosaicAciu	C(CN)C3(-0)(-0)0	00223	CC(-0/Ci	MFCD
				MFCD034		00000
7	CC(=O)Nc1nnc(s1)S(=O)(=O)N	Acetazolamide	c1(nnc(s1)S(=O)(=O)N)N	25417	CC(=O)Cl	719
ŕ	CC(-0)NCIMC(31)3(-0)(-0)N	Acctazolannac	C1(IIIC(31/3(=0)(=0)(4))(4	23417	CC(-0)CI	MFCD
	CC(=O)NC[C@H]1CN(C(=O)O1)c2ccc(c(c2)F)N3		c1cc(c(cc1N2C[C@@H](MFCD183		00000
8	CCOCC3	Linezolid	OC2=O)CN)F)N3CCOCC3	79308	CC(=O)Cl	719
Ť		Linezona	002 070.17.17.10000000	75500	20(0)6.	MFCD
				MFCD000		00000
9	CCOc1ccc(cc1)NC(=O)C	Phenacetin	CCOc1ccc(cc1)N	07865	CC(=O)CI	719
Ė					55(5/5:	MFCD
1			COC[C@H](C(=O)NCc1cc	MFCD147		00000
0	CC(=O)N[C@H](COC)C(=O)NCc1ccccc1	Lacosamide	ccc1)N	08219	CC(=O)CI	719
Ĺ	, , , , , , , , , , , , , , , , , , , ,		<u> </u>		, ,	MFCD
1			COc1ccc2c(c1)c(c[nH]2)C	MFCD000		00000
1	CC(=O)NCCc1c[nH]c2c1cc(cc2)OC	Melatonin	CN	05662	CC(=O)CI	719
			COc1ccc-			MFCD
1	CC(=O)N[C@H]1CCc2cc(c(c(c2-		2c(cc1=O)[C@H](CCc3c2	MFCD002		00000
2	c3c1cc(=O)c(cc3)OC)OC)OC	Colchicine	c(c(c(c3)OC)OC)OC)N	78752	CC(=O)CI	719
			C[C@@]12CC[C@@H](C			MFCD
1	Cc1ccc(cc1)S(=0)(=0)NC(=0)NC2C3CCC(C2O)(1(C)C)[C@@H]([C@@H]	MFCD099		00453
3	C3(C)C)C	Glibornuride	20)N	52489	Cc1ccc(cc1)S(=O)(=O)NC(=O)OC	717
	C[C@]12CC[C@H]3[C@H]([C@@H]1CC[C@@				C[C@]12CC[C@H]3[C@H]([C@@H]	MFCD
1	H]2C(=O)Nc4cc(ccc4C(F)(F)F)C(F)(F)F)CC[C@@		c1cc(c(cc1C(F)(F)F)N)C(F	MFCD000	1CC[C@@H]2C(=O)O)CC[C@@H]4[08063
4	H]5[C@@]3(C=CC(=O)N5)C	Dutasteride)(F)F	74940	C@@]3(C=CC(=O)N4)C	794

	C[C@]12CC[C@H]3[C@H]([C@@H]1CC[C@@				C[C@]12CC[C@H]3[C@H]([C@@H]	MFCD
1	H]2C(=O)NC(C)(C)CC[C@@H]4[C@@]3(C=C			MFCD000	1CC[C@@H]2C(=O)O)CC[C@@H]4[08063
5	C(=O)N4)C	Finasteride	CC(C)(C)N	08050	C@@]3(C=CC(=O)N4)C	794
1				MFCD000		MFCD 17013
6	CCCNC(=O)NS(=O)(=O)c1ccc(cc1)Cl	Chlorpropamide	CCCN	08205	C(=O)Cl	587
			CC1=C(N2[C@@H]([C@			MFCD
7	CC1=C(N2[C@@H]([C@@H](C2=O)NC(=O)[C @@H](C3=CCC=CC3)N)SC1)C(=O)O	Conbradina	@H](C2=O)N)SC1)C(=O) O	MFCD097 50368	C1C=CCC(=C1)[C@H](C(=O)O)N	00137 746
	@@mj(c3-ccc-cc3)N/3C1/c(-0/0	Cephradine		30308	C1C-CCC(-C1)[C@H](C(-O)O)N	MFCD
1	c1cc(c(cc1[N+](=O)[O-		c1cc(c(cc1[N+](=O)[O-	MFCD000		00454
8])Cl)NC(=O)c2cc(ccc2O)Cl	Niclosamide])CI)N	07665	CCOC(=O)NS(=O)(=O)c1ccc(cc1)Cl	650
1	Cc1nnc(n1C2C[C@H]3CC[C@@H](C2)N3CC[C		Cc1nnc(n1C2C[C@H]3CC [C@@H](C2)N3CC[C@@	MFCD183		MFCD 13173
9	@@H](c4cccc4)NC(=O)C5CCC(CC5)(F)F)C(C)C	Maraviroc	H](c4cccc4)N)C(C)C	81982	C1CC(CCC1C(=O)CI)(F)F	983
						MFCD
0	c1cc(cnc1)C(=O)NCCO[N+](=O)[O-]	Nicorandil	C(CO[N+](=O)[O-])N	MFCD008 68298	c1cc(cnc1)C(=O)Cl	00464 814
_	electricite (=0)Neco[N1](=0)(0]	Nicoranun	C(CO[111](-O)[O])11	00230	<u> </u>	MFCD
2	CN(CCCNC(=O)C1CCCO1)c2nc3cc(c(cc3c(n2)N)		CN(CCCN)c1nc2cc(c(cc2c	MFCD141		09897
1	OC)OC	Alfuzosin	(n1)N)OC)OC	55925	C1CC(OC1)C(=O)Cl	727
2	CC1([C@@H](N2[C@H](S1)[C@@H](C2=O)NC		CC1([C@@H](N2[C@H](S1)[C@@H](C2=O)N)C(=	MFCD000		MFCD 00000
2	(=0)Cc3cccc3)C(=0)0)C	PenicillinG	0)0)C	05176	c1ccc(cc1)CC(=0)Cl	729
		1			c1ccc(cc1)CC[C@@H](/C=C/[C@H]2	MFCD
2	CCNC(=0)CCC/C=C\C[C@H]1[C@H](C[C@H]([C@@H]1/C=C/[C@H](CCc2cccc2)O)O)O	Rimatoprost	CCN	MFCD000 08160	[C@@H](C[C@@H]([C@@H]2C/C=C \CCCC(=0)0)0)0)0	00135 254
	حق ق ابا ۱۰ - در زده ۱۱۱ (ددد کدددد کاران)	Bimatoprost	Cc1nnc(s1)SCC2=C(N3[C	30100	16666(-0/0/0/0/0	MFCD
2	${\tt Cc1nnc(s1)SCC2=C(N3[C@@H]([C@@H](C3=O}$		@@H]([C@@H](C3=O)N	MFCD299		02094
4)NC(=O)Cn4cnnn4)SC2)C(=O)O	Cefazolin)SC2)C(=O)O	13098	c1nnnn1CC(=O)Cl	027
2				MFCD000		MFCD 02094
5	CCN(CC)CCNC(=O)c1ccc(cc1)NC(=O)C	Acecainide	CCN(CC)CCN	08176	CC(=O)Nc1ccc(cc1)C(=O)Cl	022
						MFCD
2	CC(C)/C=C/CCCC(=0)NCc1ccc(c/c1)0C\0	Cancaicin	COstes/esstOVCN	MFCD000	CC(C)/C=C/CCCC(=0)C(06797
6	CC(C)/C=C/CCCCC(=O)NCc1ccc(c(c1)OC)O	Capsaicin	COc1cc(ccc10)CN	44577	CC(C)/C=C/CCCCC(=0)Cl	318 MFCD
2			c1cc(c(cc1N)C(F)(F)F)[N+	MFCD000		00000
7	CC(C)C(=O)Nc1ccc(c(c1)C(F)(F)F)[N+](=O)[O-]	Flutamide](=O)[O-]	14717	CC(C)C(=O)Cl	717
2	CC(C)C1CCC(CC1)C(=O)N[C@H](Cc2cccc2)C(=		c1ccc(cc1)C[C@H](C(=O)	MFCD000		MFCD 25954
8	0)0	Nateglinide	O)N	04270	CC(C)C1CCC(CC1)C(=O)Cl	097
						MFCD
2	Colocos(a1)Na2conco2S(-Q)(-Q)NC(-Q)NC(C)C	Tarsomida	Cc1cccc(c1)Nc2ccncc2S(MFCD006	CC(C)NC(-O)C	19217 025
9	Cc1cccc(c1)Nc2ccncc2S(=O)(=O)NC(=O)NC(C)C	Torsemide	=O)(=O)N	61332	CC(C)NC(=O)Cl	MFCD
3	$CCN(CC)CCNC(=0)c1c(c([nH]c1C)/C=C\2/c3cc($				0 4 /5 113 / 40/ 010101/0 010/0	
				MFCD000	$Cc1c([nH]c(c1C(=O)O)C)/C=C\2/c3cc$	11521
0	ccc3NC2=O)F)C	Sunitinib Malate	CCN(CC)CCN	MFCD000 08176	(ccc3NC2=O)F	11521 323
	ccc3NC2=O)F)C	Sunitinib Malate	CC1([C@@H](N2[C@H](08176		11521 323 MFCD
3	ccc3NC2=O)F)C Cc1c(c(no1)c2c(cccc2Cl)Cl)C(=O)N[C@H]3[C@	Sunitinib Malate Dicloxacillin				11521 323
3	ccc3NC2=O)F)C		CC1([C@@H](N2[C@H](S1)[C@@H](C2=O)N)C(=	08176 MFCD000 05176	(ccc3NC2=O)F	11521 323 MFCD 00052 556 MFCD
3 1	ccc3NC2=O)F)C Cc1c(c(no1)c2c(cccc2Cl)Cl)C(=O)N[C@H]3[C@@H]4N(C3=O)[C@H](C(S4)(C)C)C(=O)O	Dicloxacillin	CC1([C@@H](N2[C@H](S1)[C@@H](C2=O)N)C(= O)O)C	08176 MFCD000 05176 MFCD000	(ccc3NC2=O)F Cc1c(c(no1)c2c(cccc2Cl)Cl)C(=O)Cl	11521 323 MFCD 00052 556 MFCD 03411
3	ccc3NC2=O)F)C Cc1c(c(no1)c2c(cccc2Cl)Cl)C(=O)N[C@H]3[C@		CC1([C@@H](N2[C@H](S1)[C@@H](C2=O)N)C(=	08176 MFCD000 05176	(ccc3NC2=O)F	11521 323 MFCD 00052 556 MFCD
3 1 3 2	ccc3NC2=O)F)C Cc1c(c(no1)c2c(cccc2Cl)Cl)C(=O)N[C@H]3[C@@H]4N(C3=O)[C@H](C(S4)(C)C)C(=O)O Cc1c(cno1)C(=O)Nc2ccc(cc2)C(F)(F)F Cc1ccc(cc1Nc2nccc(n2)c3cccnc3)C(=O)Nc4cc(c	Dicloxacillin Leflunomide	CC1([C@@H](N2[C@H](S1)[C@@H](C2=O)N)C(= O)O)C c1cc(ccc1C(F)(F)F)N Cc1cn(cn1)c2cc(cc(c2)N)	MFCD000 05176 MFCD000 64396 MFCD118	(ccc3NC2=O)F Cc1c(c(no1)c2c(cccc2Cl)Cl)C(=O)Cl Cc1c(cno1)C(=O)Cl Cc1cc(cc1Nc2nccc(n2)c3cccnc3)C(=	11521 323 MFCD 00052 556 MFCD 03411 599 MFCD 11521
3 1 3 2	Cc1c(c(no1)c2c(cccc2Cl)Cl)C(=O)N[C@H]3[C@@H]4N(C3=O)[C@H](C(S4)(C)C)C(=O)O Cc1c(cno1)C(=O)Nc2ccc(cc2)C(F)(F)F	Dicloxacillin	CC1([C@@H](N2[C@H](S1)[C@@H](C2=O)N)C(= O)O)C c1cc(ccc1C(F)(F)F)N Cc1cn(cn1)c2cc(cc(c2)N) C(F)(F)F	08176 MFCD000 05176 MFCD000 64396	(ccc3NC2=O)F Cc1c(c(no1)c2c(cccc2Cl)Cl)C(=O)Cl Cc1c(cno1)C(=O)Cl	11521 323 MFCD 00052 556 MFCD 03411 599 MFCD
3 1 3 2	ccc3NC2=OJF)C Cc1c(c(no1)c2c(cccc2Cl)Cl)C(=O)N[C@H]3[C@@H]4N(C3=O)[C@H](C(S4)(C)C)C(=O)O Cc1c(cno1)C(=O)Nc2ccc(cc2)C(F)(F)F Cc1ccc(cc1Nc2nccc(n2)c3cccnc3)C(=O)Nc4cc(cc(c4)n5cc(nc5)C)C(F)(F)F	Dicloxacillin Leflunomide	CC1([C@@H](N2[C@H](S1)[C@@H](C2=O)N)C(= O)O)C c1cc(ccc1C(F)(F)F)N Cc1cn(cn1)c2cc(cc(c2)N) C(F)(F)F CC(C)[C@@H](C(=O)N[C	MFCD000 05176 MFCD000 64396 MFCD118	(ccc3NC2=O)F Cc1c(c(no1)c2c(cccc2Cl)Cl)C(=O)Cl Cc1c(cno1)C(=O)Cl Cc1cc(cc1Nc2nccc(n2)c3cccnc3)C(=	11521 323 MFCD 00052 556 MFCD 03411 599 MFCD 11521 324
3 1 3 2	ccc3NC2=O)F)C Cc1c(c(no1)c2c(cccc2Cl)Cl)C(=O)N[C@H]3[C@@H]4N(C3=O)[C@H](C(S4)(C)C)C(=O)O Cc1c(cno1)C(=O)Nc2ccc(cc2)C(F)(F)F Cc1ccc(cc1Nc2nccc(n2)c3cccnc3)C(=O)Nc4cc(c	Dicloxacillin Leflunomide	CC1([C@@H](N2[C@H](S1)[C@@H](C2=O)N)C(= O)O)C c1cc(ccc1C(F)(F)F)N Cc1cn(cn1)c2cc(cc(c2)N) C(F)(F)F	MFCD000 05176 MFCD000 64396 MFCD118	(ccc3NC2=O)F Cc1c(c(no1)c2c(cccc2Cl)Cl)C(=O)Cl Cc1c(cno1)C(=O)Cl Cc1cc(cc1Nc2nccc(n2)c3cccnc3)C(=	11521 323 MFCD 00052 556 MFCD 03411 599 MFCD 11521
3 1 3 2 3 3	ccc3NC2=OJF)C Cc1c(c(no1)c2c(cccc2Cl)Cl)C(=O)N[C@H]3[C@@H]4N(C3=O)[C@H](C(S4)(C)C)C(=O)O Cc1c(cno1)C(=O)Nc2ccc(cc2)C(F)(F)F Cc1ccc(cc1Nc2nccc(n2)c3cccnc3)C(=O)Nc4cc(cc(c4)n5cc(nc5)C)C(F)(F)F Cc1cccc(c1OCC(=O)N[C@@H](Cc2cccc2)[C@	Dicloxacillin Leflunomide	CC1([C@@H](N2[C@H](S1)[C@@H](C2=O)N)C(= O)O)C c1cc(ccc1C(F)(F)F)N Cc1cn(cn1)c2cc(cc(c2)N) C(F)(F)F CC(C)[C@@H](C(=O)N[C @@H](Cc1cccc1)C[C@	08176 MFCD000 05176 MFCD000 64396 MFCD118 46236	(ccc3NC2=O)F Cc1c(c(no1)c2c(cccc2Cl)Cl)C(=O)Cl Cc1c(cno1)C(=O)Cl Cc1cc(cc1Nc2nccc(n2)c3cccnc3)C(=	11521 323 MFCD 00052 556 MFCD 03411 599 MFCD 11521 324 MFCD 09753 506
3 1 3 2 3 3 3	Cc1c(c(no1)c2c(ccc2Cl)Cl)C(=O)N[C@H]3[C@@H]4N(C3=O)[C@H](C(S4)(C)C)C(=O)O Cc1c(cno1)C(=O)Nc2ccc(cc2)C(F)(F)F Cc1ccc(cc1Nc2nccc(n2)c3cccnc3)C(=O)Nc4cc(cc(c4)n5cc(nc5)C)C(F)(F)F Cc1ccc(cc1OCC(=O)N[C@@H](Cc2ccccc2)[C@H](C[C@H](Cc3ccccc3)NC(=O)[C@H](C(C)C)N4 CCNC4=O)O)C	Dicloxacillin Leflunomide Nilotinib	CC1([C@@H](N2[C@H](S1)[C@@H](C2=O)N)C(= O)O)C c1cc(ccc1C(F)(F)F)N Cc1cn(cn1)c2cc(cc(c2)N) C(F)(F)F CC(C)[C@@H](C(=O)N[C @@H](Cc1ccccc1)C[C@ @H]([C@H](Cc2cccc2)N)O)N3CCCNC3=O	08176 MFCD000 05176 MFCD000 64396 MFCD118 46236 MFCD099 52131	(ccc3NC2=O)F Cc1c(c(no1)c2c(cccc2Cl)Cl)C(=O)Cl Cc1c(cno1)C(=O)Cl Cc1ccc(cc1Nc2nccc(n2)c3cccnc3)C(=O)O	11521 323 MFCD 00052 556 MFCD 03411 599 MFCD 11521 324 MFCD 09753 506 MFCD
3 1 3 2 3 3 3	ccc3NC2=OJF)C Cc1c(c(no1)c2c(cccc2Cl)Cl)C(=O)N[C@H]3[C@@H]4N(C3=O)[C@H](C(S4)(C)C)C(=O)O Cc1c(cno1)C(=O)Nc2ccc(cc2)C(F)(F)F Cc1ccc(cc1Nc2nccc(n2)c3cccnc3)C(=O)Nc4cc(cc(c4)n5cc(nc5)C)C(F)(F)F Cc1cccc(c1OCC(=O)N[C@@H](Cc2ccccc2)[C@H](C[C@H](Cc3ccccc3)NC(=O)[C@H](C(C)C)N4	Dicloxacillin Leflunomide Nilotinib	CC1([C@@H](N2[C@H](S1)[C@@H](C2=O)N)C(= O)O)C c1cc(ccc1C(F)(F)F)N Cc1cn(cn1)c2cc(cc(c2)N) C(F)(F)F CC(C)[C@@H](C(=O)N[C @H](Cc1ccccc1)C[C@ @H]([C@H](Cc2cccc2)N	08176 MFCD000 05176 MFCD000 64396 MFCD118 46236 MFCD099	(ccc3NC2=O)F Cc1c(c(no1)c2c(cccc2Cl)Cl)C(=O)Cl Cc1c(cno1)C(=O)Cl Cc1ccc(cc1Nc2nccc(n2)c3cccnc3)C(=O)O	11521 323 MFCD 00052 556 MFCD 03411 599 MFCD 11521 324 MFCD 09753 506
3 1 3 2 3 3 4	Cc1c(c(no1)c2c(cccc2Cl)Cl)C(=O)N[C@H]3[C@@H]4N(C3=O)[C@H](C(S4)(C)C)C(=O)O Cc1c(cno1)C(=O)Nc2ccc(cc2)C(F)(F)F Cc1ccc(cc1Nc2nccc(n2)c3cccnc3)C(=O)Nc4cc(cc(c4)n5cc(nc5)C)C(F)(F)F Cc1cccc(c1OCC(=O)N[C@@H](Cc2cccc2)[C@H](C[C@H](Cc3cccc3)NC(=O)[C@H](C(C)C)N4 CCCNC4=O)O)C Cc1cnc(cn1)C(=O)NCCc2ccc(cc2)S(=O)(=O)NC(Dicloxacillin Leflunomide Nilotinib Lopinavir	CC1([C@@H](N2[C@H](S1)[C@@H](C2=O)N)C(= O)O)C c1cc(ccc1C(F)(F)F)N Cc1cn(cn1)c2cc(cc(c2)N) C(F)(F)F CC(C)[C@@H](C(=O)N[C @@H](Cc1cccc1)C[C@ @H]([C@H](Cc2cccc2)N)O)N3CCCNC3=O c1cc(ccc1CCN)S(=O)(=O) NC(=O)NC2CCCCC2	MFCD000 05176 MFCD000 64396 MFCD118 46236 MFCD099 52131 MFCD016 31095	(ccc3NC2=O)F Cc1c(c(no1)c2c(cccc2Cl)Cl)C(=O)Cl Cc1c(cno1)C(=O)Cl Cc1ccc(cc1Nc2nccc(n2)c3cccnc3)C(=O)O Cc1cccc(c1OCC(=O)Cl)C	11521 323 MFCD 00052 556 MFCD 03411 599 MFCD 11521 324 MFCD 09753 506 MFCD 13173 590 MFCD
3 1 3 2 3 3 4 3 5	ccc3NC2=OJF)C Cc1c(c(no1)c2c(cccc2Cl)Cl)C(=O)N[C@H]3[C@@H]4N(C3=O)[C@H](C(S4)(C)C)C(=O)O Cc1c(cno1)C(=O)Nc2ccc(cc2)C(F)(F)F Cc1cc(cc1Nc2nccc(n2)c3cccnc3)C(=O)Nc4cc(cc(c4)n5cc(nc5)C)C(F)(F)F Cc1cccc(c1OCC(=O)N[C@@H](Cc2ccccc2)[C@H](C[C@H](Cc3ccccc3)NC(=O)[C@H](C(C)C)N4CCCNC4=O)O)C Cc1cnc(cn1)C(=O)NCCc2ccc(cc2)S(=O)(=O)NC(=O)NC3CCCCC3	Dicloxacillin Leflunomide Nilotinib Lopinavir Glipizide	CC1([C@@H](N2[C@H](S1)[C@@H](C2=O)N)C(= O)O)C c1cc(ccc1C(F)(F)F)N Cc1cn(cn1)c2cc(cc(c2)N) C(F)(F)F CC(C)[C@@H](C(=O)N[C @@H](Cc1ccccc1)C[C@ @H]([C@H](Cc2cccc2)N)O)N3CCCNC3=O c1cc(ccc1CCN)S(=O)(=O) NC(=O)NC2CCCCC2 c1cc2c(c3c1CC[C@H]3C	08176 MFCD000 05176 MFCD000 64396 MFCD118 46236 MFCD099 52131 MFCD016 31095 MFCD129	(ccc3NC2=0)F Cc1c(c(no1)c2c(cccc2Cl)Cl)C(=0)Cl Cc1c(cno1)C(=0)Cl Cc1ccc(cc1Nc2nccc(n2)c3cccnc3)C(=0)0 Cc1cccc(c1OCC(=0)Cl)C Cc1cnc(cn1)C(=0)Cl	11521 323 MFCD 00052 556 MFCD 03411 599 MFCD 11521 324 MFCD 09753 506 MFCD 13173 590 MFCD
3 1 3 2 3 3 4	Cc1c(c(no1)c2c(cccc2Cl)Cl)C(=O)N[C@H]3[C@@H]4N(C3=O)[C@H](C(S4)(C)C)C(=O)O Cc1c(cno1)C(=O)Nc2ccc(cc2)C(F)(F)F Cc1ccc(cc1Nc2nccc(n2)c3cccnc3)C(=O)Nc4cc(cc(c4)n5cc(nc5)C)C(F)(F)F Cc1cccc(c1OCC(=O)N[C@@H](Cc2cccc2)[C@H](C[C@H](Cc3cccc3)NC(=O)[C@H](C(C)C)N4 CCCNC4=O)O)C Cc1cnc(cn1)C(=O)NCCc2ccc(cc2)S(=O)(=O)NC(Dicloxacillin Leflunomide Nilotinib Lopinavir	CC1([C@@H](N2[C@H](S1)[C@@H](C2=O)N)C(= O)O)C c1cc(ccc1C(F)(F)F)N Cc1cn(cn1)c2cc(cc(c2)N) C(F)(F)F CC(C)[C@@H](C(=O)N[C @@H](Cc1ccccc1)C[C@ @H]([C@H](Cc2ccccc2)N)O)N3CCCNC3=O c1cc(ccc1CCN)S(=O)(=O) NC(=O)NC2CCCC2 c1cc2c(c3c1CC[C@H]3C CN)CCO2	MFCD000 05176 MFCD000 64396 MFCD118 46236 MFCD099 52131 MFCD016 31095	(ccc3NC2=O)F Cc1c(c(no1)c2c(cccc2Cl)Cl)C(=O)Cl Cc1c(cno1)C(=O)Cl Cc1ccc(cc1Nc2nccc(n2)c3cccnc3)C(=O)O Cc1cccc(c1OCC(=O)Cl)C	11521 323 MFCD 00052 556 MFCD 03411 599 MFCD 11521 324 MFCD 09753 506 MFCD 13173 590 MFCD 00000 745
3 1 3 2 3 3 4 3 5	ccc3NC2=OJF)C Cc1c(c(no1)c2c(cccc2Cl)Cl)C(=O)N[C@H]3[C@@H]4N(C3=O)[C@H](C(S4)(C)C)C(=O)O Cc1c(cno1)C(=O)Nc2ccc(cc2)C(F)(F)F Cc1cc(cc1Nc2nccc(n2)c3cccnc3)C(=O)Nc4cc(cc(c4)n5cc(nc5)C)C(F)(F)F Cc1cccc(c1OCC(=O)N[C@@H](Cc2ccccc2)[C@H](C[C@H](Cc3ccccc3)NC(=O)[C@H](C(C)C)N4CCCNC4=O)O)C Cc1cnc(cn1)C(=O)NCCc2ccc(cc2)S(=O)(=O)NC(=O)NC3CCCCC3	Dicloxacillin Leflunomide Nilotinib Lopinavir Glipizide	CC1([C@@H](N2[C@H](S1)[C@@H](C2=O)N)C(= O)O)C c1cc(ccc1C(F)(F)F)N Cc1cn(cn1)c2cc(cc(c2)N) C(F)(F)F CC(C)[C@@H](C(=O)N[C @@H](Cc1ccccc1)C[C@ @H]([C@H](Cc2cccc2)N)O)N3CCCNC3=O c1cc(ccc1CCN)S(=O)(=O) NC(=O)NC2CCCCC2 c1cc2c(c3c1CC[C@H]3C	08176 MFCD000 05176 MFCD000 64396 MFCD118 46236 MFCD099 52131 MFCD016 31095 MFCD129	(ccc3NC2=0)F Cc1c(c(no1)c2c(cccc2Cl)Cl)C(=0)Cl Cc1c(cno1)C(=0)Cl Cc1ccc(cc1Nc2nccc(n2)c3cccnc3)C(=0)0 Cc1cccc(c1OCC(=0)Cl)C Cc1cnc(cn1)C(=0)Cl	11521 323 MFCD 00052 556 MFCD 03411 599 MFCD 11521 324 MFCD 09753 506 MFCD 13173 590 MFCD
3 1 3 2 3 3 4 3 5	Cc1c(c(no1)c2c(ccc2Cl)Cl)C(=O)N[C@H]3[C@@H]4N(C3=O)[C@H](C(S4)(C)C)C(=O)O Cc1c(cno1)C(=O)Nc2ccc(cc2)C(F)(F)F Cc1ccc(cc1Nc2nccc(n2)c3cccnc3)C(=O)Nc4cc(cc(c4)n5cc(nc5)C)C(F)(F)F Cc1cccc(c1OCC(=O)N[C@@H](Cc2cccc2)[C@H](C[C@H](Cc3cccc3)NC(=O)[C@H](C(C)C)N4 CCCNC4=O)O)C Cc1cnc(cn1)C(=O)NCCc2ccc(cc2)S(=O)(=O)NC(=O)NC3CCCCC3 CCC(=O)NCC[C@@H]1CCc2c1c3c(cc2)OCC3	Dicloxacillin Leflunomide Nilotinib Lopinavir Glipizide	CC1([C@@H](N2[C@H](S1)[C@@H](C2=O)N)C(=O)O)C c1cc(ccc1C(F)(F)F)N Cc1cn(cn1)c2cc(cc(c2)N) C(F)(F)F CC(C)[C@@H](C(=O)N[C@BH](C(=O)N[C@BH](C2ccccc2)N))O)N3CCCNC3=O c1cc(ccc1CCN)S(=O)(=O) NC(=O)NC2CCCC2 c1cc2c(c3c1CC[C@H]3C CN)CCO2 C[C@@H]1[C@H]([C@H]([C@H	MFCD000 05176 MFCD000 64396 MFCD118 46236 MFCD099 52131 MFCD016 31095 MFCD129 11899	(ccc3NC2=0)F Cc1c(c(no1)c2c(cccc2Cl)Cl)C(=0)Cl Cc1c(cno1)C(=0)Cl Cc1ccc(cc1Nc2nccc(n2)c3cccnc3)C(=0)0 Cc1cccc(c1OCC(=0)Cl)C Cc1cnc(cn1)C(=0)Cl	MFCD 00052 556 MFCD 03411 599 MFCD 11521 324 MFCD 09753 506 MFCD 13173 590 MFCD 00000 745 MFCD 00058 933
3 1 3 2 3 3 4 3 5 3 6	Ccc2NC2=OJF)C Cc1c(c(no1)c2c(cccc2Cl)Cl)C(=O)N[C@H]3[C@@H]4N(C3=O)[C@H](C(S4)(C)C)C(=O)O Cc1c(cno1)C(=O)Nc2ccc(cc2)C(F)(F)F Cc1ccc(cc1Nc2nccc(n2)c3cccnc3)C(=O)Nc4cc(cc(c4)n5cc(nc5)C)C(F)(F)F Cc1ccc(c1OCC(=O)N[C@@H](Cc2ccccc2)[C@H](C[C@H](Cc3cccc3)NC(=O)[C@H](C(C)C)N4CCCNC4=O)O)C Cc1cnc(cn1)C(=O)NCCc2ccc(cc2)S(=O)(=O)NC(=O)NC3CCCCC3 CCC(=O)NCC[C@@H]1CCc2c1c3c(cc2)OCC3 CCCCCCOC(=O)Nc1c(cn(c(=O)n1)[C@H]2[C@@	Dicloxacillin Leflunomide Nilotinib Lopinavir Glipizide Ramelteon	CC1([C@@H](N2[C@H](S1)[C@@H](C2=O)N)C(=O)O)C c1cc(ccc1C(F)(F)F)N Cc1cn(cn1)c2cc(cc(c2)N) C(F)(F)F CC(C)[C@@H](C(=O)N[C@H](C(=C)CCCCCC)](C@H](C@H](CCCCCCCC)](C@H](C@H](CCCCCCCCCC)](CG(CCCCCCCCCCCCCCCCCCCCCC	MFCD000 05176 MFCD000 64396 MFCD118 46236 MFCD099 52131 MFCD016 31095 MFCD129 11899 MFCD073 69278	(ccc3NC2=O)F Cc1c(c(no1)c2c(cccc2Cl)Cl)C(=O)Cl Cc1c(cno1)C(=O)Cl Cc1ccc(cc1Nc2nccc(n2)c3cccnc3)C(=O)O Cc1cccc(c1OCC(=O)Cl)C Cc1cnc(cn1)C(=O)Cl	11521 323 MFCD 00052 556 MFCD 03411 599 MFCD 11521 324 MFCD 09753 506 MFCD 13173 590 MFCD 00000 745 MFCD 00000 745 MFCD 00058
3 1 3 2 3 3 4 3 5	Ccc2NC2=OJF)C Cc1c(c(no1)c2c(cccc2Cl)Cl)C(=O)N[C@H]3[C@@H]4N(C3=O)[C@H](C(S4)(C)C)C(=O)O Cc1c(cno1)C(=O)Nc2ccc(cc2)C(F)(F)F Cc1ccc(cc1Nc2nccc(n2)c3cccnc3)C(=O)Nc4cc(cc(c4)n5cc(nc5)C)C(F)(F)F Cc1ccc(c1OCC(=O)N[C@@H](Cc2ccccc2)[C@H](C[C@H](Cc3cccc3)NC(=O)[C@H](C(C)C)N4CCCNC4=O)O)C Cc1cnc(cn1)C(=O)NCCc2ccc(cc2)S(=O)(=O)NC(=O)NC3CCCCC3 CCC(=O)NCC[C@@H]1CCc2c1c3c(cc2)OCC3 CCCCCCOC(=O)Nc1c(cn(c(=O)n1)[C@H]2[C@@	Dicloxacillin Leflunomide Nilotinib Lopinavir Glipizide Ramelteon	CC1([C@@H](N2[C@H](S1)[C@@H](C2=O)N)C(=O)O)C c1cc(ccc1C(F)(F)F)N Cc1cn(cn1)c2cc(cc(c2)N) C(F)(F)F CC(C)[C@@H](C(=O)N[C@H](C(=C)CCCCCC)](C@H](C@H](CCCCCCCC)](C@H](C@H](CCCCCCCCCC)](CG(CCCCCCCCCCCCCCCCCCCCCC	MFCD000 05176 MFCD000 64396 MFCD118 46236 MFCD019 52131 MFCD016 31095 MFCD129 11899 MFCD073	(ccc3NC2=O)F Cc1c(c(no1)c2c(cccc2Cl)Cl)C(=O)Cl Cc1c(cno1)C(=O)Cl Cc1ccc(cc1Nc2nccc(n2)c3cccnc3)C(=O)O Cc1cccc(c1OCC(=O)Cl)C Cc1cnc(cn1)C(=O)Cl	MFCD 00052 556 MFCD 03411 599 MFCD 11521 324 MFCD 09753 506 MFCD 13173 590 MFCD 00000 745 MFCD 00058 933
3 1 3 2 3 3 3 4 3 5 3 6 3 7 3 8	CCCCCCCC(=O)NCC(=O)N(C@H)3(C@H)4N(C3=O)(C@H)(C(S4)(C)C)C(=O)O CC1c(cno1)C(=O)Nc2ccc(cc2)C(F)(F)F CC1ccc(cc1Nc2nccc(n2)c3cccnc3)C(=O)Nc4cc(cc(c4)n5cc(nc5)C)C(F)(F)F Cc1cccc(c1OCC(=O)N(C@@H)(Cc2ccccc2)[C@H)(C(C)C)N4 CCCNC4=O)O)C Cc1cnc(cn1)C(=O)NCCc2ccc(cc2)S(=O)(=O)NC(=O)NC3CCCCC3 CCC(=O)NCC[C@@H]1CCc2c1c3c(cc2)OCC3 CCCCCCOC(=O)Nc1c(cn(c(=O)n1)[C@H)2[C@@H]([C@H]2[C@@H]([C@H]2[C@@H]2[C@@H]2[C@@H]2[C@@H]2[C@@H]2[C@@H]2[C@@H]2[C@@H]2[C@@H]2[C@@H]2[C@@H]2[C@@H]2[C@@H]2[C@@H]([C@H]2[C@@H]2[C@@H]([C@H]2[C@@H]2[C@@H]([C@H]2[C@@H]2[C@@H]([C@H]2[C@@H]2[C@@H]([C@H]2[C@@H]2[C@@H]([C@H]2[C@@H]2[C@@H]([C@H]2[C@@H]2[C@@H]([C@H]2[C@@H]2[C@@H]([C@H]2[C@@H]2[C@@H]([C@H]2[C@@H]2[C@@H]([C@H]2[C@@H]2[C@@H]([C@H]2[C@@H]2[C@@H]2[C@@H]([C@H]2[C@@H]2[C@@H]([C@H]2[C@@H]2[C@@H]2[C@@H]2[C@@H]([C@H]2[C@@H]2[C@@H]2[C@@H]2[C@@H]2[C@@H]([C@H]2[C]2[CO]O)O)F	Dicloxacillin Leflunomide Nilotinib Lopinavir Glipizide Ramelteon Capecitabine	CC1([C@@H](N2[C@H](S1)[C@@H](C2=O)N)C(=O)O)C c1cc(ccc1C(F)(F)F)N Cc1cn(cn1)c2cc(cc(c2)N) C(F)(F)F CC(C)[C@@H](C(=O)N[C@H](C(=O)N[C@H](CC1cccc1)C[C@WH]([CWH](CC2cccc2]N)O)N3CCCNC3=O c1cc(ccc1CCN)S(=O)(=O)NC(=O)NC(=O)NC(=O)NC2CCCC2 c1cc2c(c3c1CC[C@H]3CCN)CCO2 C[C@@H]1[C@H]([C@H]([C@H]([C@H]([C@H]([C@H]([CWH	MFCD000 64396 MFCD118 46236 MFCD016 31095 MFCD129 11899 MFCD073 69278 MFCD000 07747	(ccc3NC2=O)F	MFCD 00052 556 MFCD 03411 599 MFCD 11521 324 MFCD 09753 506 MFCD 13173 590 MFCD 00000 745 MFCD 00058 933 MFCD 09026 200 MFCD
3 1 3 2 3 3 4 3 5 3 6 3 7 3 8	CCCCN1CCCCC1C(=0)NCC@H]1(C@H)3(C@@H)4N(C3=O)[C@H](C(S4)(C)C)C(=O)O CC1c(cno1)C(=O)Nc2ccc(cc2)C(F)(F)F CC1ccc(cc1Nc2nccc(n2)c3cccnc3)C(=O)Nc4cc(cc(c4)n5cc(nc5)C)C(F)(F)F CC1ccc(c1OCC(=O)N[C@@H](Cc2cccc2)[C@H](C[C@H](Cc3cccc3)NC(=O)[C@H](C(C)C)N4 CCNC4=O)O)C CC1cnc(cn1)C(=O)NCCc2ccc(cc2)S(=O)(=O)NC(=O)NC3CCCCC3 CCC(=O)NCC[C@@H]1CCc2ccc(cc2)S(=O)(=O)NC(=O)NC3CCCCC3 CCCCCOC(=O)Nc1c(cn(c(=O)n1)[C@H]2[C@@H]([C@@H]([C@H](O2)C)O)O)F CCCCN1CCCCC1C(=O)Nc2c(ccc2C)C	Dicloxacillin Leflunomide Nilotinib Lopinavir Glipizide Ramelteon Capecitabine Bupivacaine	CC1([C@@H](N2[C@H](S1)[C@@H](C2=O)N)C(=O)O)C c1cc(ccc1C(F)(F)F)N Cc1cn(cn1)c2cc(cc(c2)N) C(F)(F)F CC(C](C@@H](C(=O)N[C@H](C(=O)N[C@H](Cc2cccc2)N) O)N3CCCNC3=O c1cc(ccc1CCN)S(=O)(=O) NC(=O)NC2CCCCC2 c1cc2c(c3c1CC[C@H]3C CN)CCO2 C[C@@H]1[C@H]([C@H]	MFCD000 05176 MFCD000 64396 MFCD118 46236 MFCD016 31095 MFCD129 11899 MFCD073 69278 MFCD000 07747 MFCD000	(ccc3NC2=O)F	MFCD 00052 556 MFCD 11521 324 MFCD 09753 506 MFCD 13173 599 MFCD 100000 745 MFCD 00058 933 MFCD 09026 200 MFCD 25965
3 1 3 2 3 3 3 4 3 5 3 6 3 7 3 8	CCCCCCCC(=O)NCC(=O)N(C@H)3(C@H)4N(C3=O)(C@H)(C(S4)(C)C)C(=O)O CC1c(cno1)C(=O)Nc2ccc(cc2)C(F)(F)F CC1ccc(cc1Nc2nccc(n2)c3cccnc3)C(=O)Nc4cc(cc(c4)n5cc(nc5)C)C(F)(F)F Cc1cccc(c1OCC(=O)N(C@@H)(Cc2ccccc2)[C@H)(C(C)C)N4 CCCNC4=O)O)C Cc1cnc(cn1)C(=O)NCCc2ccc(cc2)S(=O)(=O)NC(=O)NC3CCCCC3 CCC(=O)NCC[C@@H]1CCc2c1c3c(cc2)OCC3 CCCCCCOC(=O)Nc1c(cn(c(=O)n1)[C@H)2[C@@H]([C@H]2[C@@H]([C@H]2[C@@H]2[C@@H]2[C@@H]2[C@@H]2[C@@H]2[C@@H]2[C@@H]2[C@@H]2[C@@H]2[C@@H]2[C@@H]2[C@@H]2[C@@H]2[C@@H]([C@H]2[C@@H]2[C@@H]([C@H]2[C@@H]2[C@@H]([C@H]2[C@@H]2[C@@H]([C@H]2[C@@H]2[C@@H]([C@H]2[C@@H]2[C@@H]([C@H]2[C@@H]2[C@@H]([C@H]2[C@@H]2[C@@H]([C@H]2[C@@H]2[C@@H]([C@H]2[C@@H]2[C@@H]([C@H]2[C@@H]2[C@@H]([C@H]2[C@@H]2[C@@H]([C@H]2[C@@H]2[C@@H]2[C@@H]([C@H]2[C@@H]2[C@@H]([C@H]2[C@@H]2[C@@H]2[C@@H]2[C@@H]([C@H]2[C@@H]2[C@@H]2[C@@H]2[C@@H]2[C@@H]([C@H]2[C]2[CO]O)O)F	Dicloxacillin Leflunomide Nilotinib Lopinavir Glipizide Ramelteon Capecitabine	CC1([C@@H](N2[C@H](S1)[C@@H](C2=O)N)C(=O)O)C c1cc(ccc1C(F)(F)F)N Cc1cn(cn1)c2cc(cc(c2)N) C(F)(F)F CC(C)[C@@H](C(=O)N[C@H](C(=O)N[C@H](CC1cccc1)C[C@WH]([CWH](CC2cccc2]N)O)N3CCCNC3=O c1cc(ccc1CCN)S(=O)(=O)NC(=O)NC(=O)NC(=O)NC2CCCC2 c1cc2c(c3c1CC[C@H]3CCN)CCO2 C[C@@H]1[C@H]([C@H]([C@H]([C@H]([C@H]([C@H]([CWH	MFCD000 64396 MFCD118 46236 MFCD016 31095 MFCD129 11899 MFCD073 69278 MFCD000 07747	(ccc3NC2=O)F	MFCD 00052 556 MFCD 03411 599 MFCD 11521 324 MFCD 09753 506 MFCD 13173 590 MFCD 00000 745 MFCD 00058 933 MFCD 09026 200 MFCD 25965 185
3 1 3 2 3 3 3 4 3 5 3 6 3 7 3 8	CCCCN1CCCCC1C(=0)NCC@H]1(C@H)3(C@@H)4N(C3=O)[C@H](C(S4)(C)C)C(=O)O CC1c(cno1)C(=O)Nc2ccc(cc2)C(F)(F)F CC1ccc(cc1Nc2nccc(n2)c3cccnc3)C(=O)Nc4cc(cc(c4)n5cc(nc5)C)C(F)(F)F CC1ccc(c1OCC(=O)N[C@@H](Cc2cccc2)[C@H](C[C@H](Cc3cccc3)NC(=O)[C@H](C(C)C)N4 CCNC4=O)O)C CC1cnc(cn1)C(=O)NCCc2ccc(cc2)S(=O)(=O)NC(=O)NC3CCCCC3 CCC(=O)NCC[C@@H]1CCc2ccc(cc2)S(=O)(=O)NC(=O)NC3CCCCC3 CCCCCOC(=O)Nc1c(cn(c(=O)n1)[C@H]2[C@@H]([C@@H]([C@H](O2)C)O)O)F CCCCN1CCCCC1C(=O)Nc2c(ccc2C)C	Dicloxacillin Leflunomide Nilotinib Lopinavir Glipizide Ramelteon Capecitabine Bupivacaine	CC1([C@@H](N2[C@H](S1)[C@@H](C2=O)N)C(=O)O)C c1cc(ccc1C(F)(F)F)N Cc1cn(cn1)c2cc(cc(c2)N) C(F)(F)F CC(C](C@@H](C(=O)N[C@H](C(=O)N[C@H](Cc2cccc2)N) O)N3CCCNC3=O c1cc(ccc1CCN)S(=O)(=O) NC(=O)NC2CCCCC2 c1cc2c(c3c1CC[C@H]3C CN)CCO2 C[C@@H]1[C@H]([C@H]	MFCD000 05176 MFCD000 64396 MFCD118 46236 MFCD016 31095 MFCD129 11899 MFCD073 69278 MFCD000 07747 MFCD000	(ccc3NC2=O)F	MFCD 00052 556 MFCD 11521 324 MFCD 09753 506 MFCD 13173 599 MFCD 100000 745 MFCD 00058 933 MFCD 09026 200 MFCD 25965

_		I	T			
						MFCD
4	CCN1CCC1CNC(=O)c2cc(c(cc2OC)N)S(=O)(=O			MFCD000		04973
1)CC	Amisulpride	CCN1CCCC1CN	03178	CCS(=0)(=0)c1cc(c(cc1N)OC)C(=0)O	619
						MFCD
4	Cn1c2cccc2c(n1)C(=O)NC3C[C@H]4CCC[C@		CN1[C@@H]2CCC[C@H]	MFCD066		02093
2	@H](C3)N4C	Granisetron	1CC(C2)N	57547	Cn1c2cccc2c(n1)C(=O)Cl	096
						MFCD
4				MFCD000		08060
3	Cc1cccc(c1NC(=O)C2CCCCN2C)C	Mepivacaine	Cc1cccc(c1N)C	07747	CN1CCCCC1C(=O)O	082
						MFCD
4	Cc1ccc(cc1Nc2nccc(n2)c3cccnc3)NC(=O)c4ccc(Cc1ccc(cc1Nc2nccc(n2)c	MFCD090		09833
4	cc4)CN5CCN(CC5)C	Imatinib Mesylate	3cccnc3)N	28125	CN1CCN(CC1)Cc2ccc(cc2)C(=O)Cl	009
						MFCD
4				MFCD000		30303
5	CCN(CC)CCNC(=O)c1cc(c(cc1OC)N)Cl	Metoclopramide	CCN(CC)CCN	08176	COc1cc(c(cc1C(=O)CI)CI)N	709
						MFCD
4	COc1ccc(cc1C(=O)NCCc2ccc(cc2)S(=O)(=O)NC(Glyburide	c1cc(ccc1CCN)S(=O)(=O)	MFCD016		03208
6	=O)NC3CCCCC3)Cl	Glibenclamide	NC(=O)NC2CCCC2	31095	COc1ccc(cc1C(=O)CI)CI	980
			CC1([C@@H](N2[C@H](MFCD
4	CC1([C@@H](N2[C@H](S1)[C@@H](C2=O)NC		S1)[C@@H](C2=O)N)C(=	MFCD000		00000
7	(=O)c3c(cccc3OC)OC)C(=O)O)C	Methicillin	0)0)C	05176	COc1cccc(c1C(=O)CI)OC	665
						MFCD
4	CNC(=O)c1cc(ccn1)Oc2ccc(cc2)NC(=O)Nc3ccc(MFCD000	c1cc(ccc1NC(=O)Nc2ccc(c(c2)C(F)(F)	26954
8	c(c3)C(F)(F)F)Cl	Sorafenib Tosylate	CN	08104	F)Cl)Oc3ccnc(c3)C(=O)O	590
		,				MFCD
4	C[C@@H](CO)NC(=O)[C@H]1CN([C@@H]2Cc			MFCD000	CN1C[C@@H](C=C2[C@H]1Cc3c[nH	00133
9	3c[nH]c4c3c(ccc4)C2=C1)C	Ergonovine	C[C@@H](CO)N	64412]c4c3c2ccc4)C(=O)O	297
						MFCD
5	CC[C@@H](CO)NC(=O)[C@H]1CN([C@@H]2C			MFCD000	CN1C[C@@H](C=C2[C@H]1Cc3c[nH	00133
0	c3c[nH]c4c3c(ccc4)C2=C1)C	Methylergonovine	CC[C@@H](CO)N	64418]c4c3c2ccc4)C(=O)O	297
_		, , ,				

 $\label{eq:Figure S1.} \textbf{Similarity distributions used estimate appropriate Tanimoto cut-off for MACCS and Morgan FPs.}$



