

Supplementary Materials

Predicting value of binding constants of organic ligands to beta-cyclodextrin: application of MARSplines and descriptors encoded in SMILES string

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Table. S1 Experimental and calculated LnK values.

No.	Chemical name	SMILES	lnK ^{exp*}	lnK ^{est}	Set (ext. validation)
1	Acetonitrile	CC#N	-1.474	-1.278	test
2	Methanol	CO	-1.128	-1.235	training
3	Acetaldehyde	CC=O	-0.622	-0.225	training
4	1,2-Ethanediol	C(CO)O	-0.437	0.828	training
5	Ethanol	CCO	-0.069	0.504	training
6	2-Methoxyethanol	COCCO	0.507	0.711	test
7	Acetone	CC(=O)C	0.967	0.619	training
8	1-Propanol	CCCO	1.312	1.410	training
9	2-Propanol	CC(C)O	1.451	1.988	training
10	1,4-Butanediol	C(CCO)CO	1.474	2.177	training
11	1,3-Propanediol	C(CO)CO	1.543	1.512	test
12	Cyclobutanol	C1CC(C1)O	2.717	3.234	training
13	2-Butanol	CCC(C)O	2.740	2.849	training
14	1-Butanol	CCCCO	2.809	2.739	training
15	1,5-Pentanediol	C(CCO)CCO	2.809	2.860	training

No.	Chemical name	SMILES	lnK ^{exp*}	lnK ^{est}	Set (ext. validation)
16	3-Pentanol	<chem>CCC(CC)O</chem>	3.108	4.305	test
17	Diethylamine	<chem>CCNCC</chem>	3.132	2.355	training
18	Chloroform	<chem>C(Cl)(Cl)Cl</chem>	3.293	3.119	training
19	Tetrahydrofuran	<chem>C1CCOC1</chem>	3.385	2.874	training
20	Griseofulvin	<chem>C[C@@H]1CC(=O)C=C([C@]12C(=O)C3=C(O2)C(=C(C=C3OC)OC)Cl)OC</chem>	3.385	3.929	training
21	2-Pentanol	<chem>CCCC(C)O</chem>	3.431	4.916	training
22	3-Cyanophenylacetate	<chem>CC(=O)OC1=CC=CC(=C1)C#N</chem>	3.431	4.202	test
23	Aniline	<chem>C1=CC=C(C=C1)N</chem>	3.684	3.937	training
24	2-Methyl-1-propanol	<chem>CC(C)CO</chem>	3.730	2.938	training
25	2-Methyl-2-propanol	<chem>CC(C)(C)O</chem>	3.868	2.891	training
26	1,6-Hexanediol	<chem>C(CCCO)CCO</chem>	3.891	3.788	training
27	3-Fluorophenol	<chem>C1=CC(=CC(=C1)F)O</chem>	3.914	4.439	test
28	Benzyl alcohol	<chem>C1=CC=C(C=C1)CO</chem>	3.937	4.467	training
29	4-Fluorophenol	<chem>C1=CC(=CC=C1O)F</chem>	3.983	4.370	training
30	Nimetazepam	<chem>CN1C(=O)CN=C(C2=C1C=CC(=C2)[N+](=O)[O-])C3=CC=CC=C3</chem>	3.983	4.651	training
31	4-Hydroxybenzaldehyde	<chem>C1=CC(=CC=C1C=O)O</chem>	4.030	4.119	training
32	Hydrochlorothiazide	<chem>C1NC2=CC(=C(C=C2S(=O)(=O)N1)S(=O)(=O)N)Cl</chem>	4.053	4.665	test
33	Benzaldehyde	<chem>C1=CC=C(C=C1)C=O</chem>	4.099	4.366	training
34	Barbital	<chem>CCC1(C(=O)NC(=O)NC1=O)CC</chem>	4.099	5.759	training
35	Furosemide	<chem>C1=COC(=C1)CNC2=CC(=C(C=C2C(=O)O)S(=O)(=O)N)Cl</chem>	4.099	4.404	training
36	1-Pentanol	<chem>CCCCCO</chem>	4.145	3.903	training

No.	Chemical name	SMILES	lnK ^{exp*}	lnK ^{est}	Set (ext. validation)
37	Bendroflumethiazide	<chem>C1=CC=C(C=C1)CC2NC3=C(C=C(C(=C3)C(F)(F)F)S(=O)(=O)N)S(=O)(=O)N2</chem>	4.375	4.994	training
38	2-Methyl-2-butanol	<chem>CCC(C)(C)O</chem>	4.398	4.887	training
39	3-Fluorophenyl acetate	<chem>CC(=O)OC1=CC(=CC=C1)F</chem>	4.398	4.001	test
40	3-Methyl-2-butanol	<chem>CC(C)C(C)O</chem>	4.421	4.161	training
41	Fluorobenzene	<chem>C1=CC=C(C=C1)F</chem>	4.513	4.404	training
42	Nitrazepam	<chem>C1C(=O)NC2=C(C=C(C=C2)[N+](=O)[O-])C(=N1)C3=CC=CC=C3</chem>	4.536	4.445	training
43	Sulfamerazine	<chem>CC1=NC(=NC=C1)NS(=O)(=O)C2=CC=C(C=C2)N</chem>	4.536	5.337	training
44	Phenol	<chem>C1=CC=C(C=C1)O</chem>	4.559	5.248	training
45	2-Hexanol	<chem>CCCCC(C)O</chem>	4.559	5.650	training
46	m-Cresol	<chem>CC1=CC(=CC=C1)O</chem>	4.559	6.091	training
47	Allobarbitol	<chem>C=CCC1(C(=O)NC(=O)NC1=O)CC=C</chem>	4.559	4.739	test
48	2-Methyl-2-pentanol	<chem>CCCC(C)(C)O</chem>	4.582	5.199	training
49	Nitrobenzene	<chem>C1=CC=C(C=C1)[N+](=O)[O-]</chem>	4.697	4.528	training
50	4-Methyl-2-pentanol	<chem>CC(C)CC(C)O</chem>	4.697	5.274	test
51	Hydroquinone	<chem>C1=CC(=CC=C1O)O</chem>	4.720	3.530	training
52	Cyclopentanol	<chem>C1CCC(C1)O</chem>	4.743	4.742	training
53	3-Hydroxyacetophenone	<chem>CC(=O)C1=CC(=CC=C1)O</chem>	4.743	4.938	training
54	3,5-Dichlorophenol	<chem>C1=C(C=C(C=C1Cl)Cl)O</chem>	4.766	6.262	training
55	2-Methyl-1-butanol	<chem>CCC(C)CO</chem>	4.789	4.017	training
56	Toluene	<chem>CC1=CC=CC=C1</chem>	4.812	5.559	test
57	Phenyl acetate	<chem>CC(=O)OC1=CC=CC=C1</chem>	4.835	5.236	training

No.	Chemical name	SMILES	lnK ^{exp*}	lnK ^{est}	Set (ext. validation)
58	Sulfisomidine	<chem>CC1=CC(=NC(=N1)C)NS(=O)(=O)C2=CC=C(C=C2)N</chem>	4.835	5.117	training
59	3-Methoxyphenol	<chem>COC1=CC=CC(=C1)O</chem>	4.858	5.009	training
60	4-Fluorophenyl acetate	<chem>CC(=O)OC1=CC=C(C=C1)F</chem>	4.858	4.841	training
61	(R)-(+)-3-Benzyloxy-1,2-propanediol	<chem>C1=CC=C(C=C1)COC[C@@H](CO)O</chem>	4.858	5.395	training
62	Benzoic acid	<chem>C1=CC=C(C=C1)C(=O)O</chem>	4.881	4.910	training
63	N-Methylaniline	<chem>CNC1=CC=CC=C1</chem>	4.881	5.028	training
64	Quinoline	<chem>C1=CC=C2C(=C1)C=CC=N2</chem>	4.881	4.759	test
65	4-Nitrophenyl acetate	<chem>CC(=O)OC1=CC=C(C=C1)[N+](=O)[O-]</chem>	4.905	5.767	test
66	1-Chloro-4-nitrobenzene	<chem>C1=CC(=CC=C1[N+](=O)[O-])Cl</chem>	4.951	5.323	training
67	3-Methyl-3-pentanol	<chem>CCC(C)(CC)O</chem>	4.951	5.740	training
68	2-Phenylethanol	<chem>C1=CC=C(C=C1)CCO</chem>	4.951	5.623	test
69	4-Hydroxybenzyl alcohol	<chem>C1=CC(=CC=C1CO)O</chem>	4.974	3.849	training
70	4-Hydroxyacetophenone	<chem>CC(=O)C1=CC=C(C=C1)O</chem>	5.020	4.955	test
71	1-Butylimidazole	<chem>CCCCN1C=CN=C1</chem>	5.043	5.579	training
72	Carbon tetrachloride	<chem>C(Cl)(Cl)(Cl)Cl</chem>	5.066	3.675	training
73	4-Hydroxybenzoic acid	<chem>C1=CC(=CC=C1C(=O)O)O</chem>	5.066	4.556	training
74	Acetoanilide	<chem>CC(=O)NC1=CC=CC=C1</chem>	5.066	4.164	test
75	4-Methoxyphenol	<chem>COC1=CC=C(C=C1)O</chem>	5.089	4.910	training
76	3-Methylphenyl acetate	<chem>CC1=CC(=CC=C1)OC(=O)C</chem>	5.089	6.271	training
77	Benzene	<chem>C1=CC=CC=C1</chem>	5.135	4.746	training
78	Benzonitrile	<chem>C1=CC=C(C=C1)C#N</chem>	5.135	4.184	training
79	3-Methyl-1-butanol	<chem>CC(C)CCO</chem>	5.181	4.480	test

No.	Chemical name	SMILES	lnK ^{exp*}	lnK ^{est}	Set (ext. validation)
80	Sulfadimethoxine	<chem>COC1=NC(=NC(=C1)NS(=O)(=O)C2=CC=C(C=C2)N)OC</chem>	5.204	5.354	training
81	Acetophenone	<chem>CC(=O)C1=CC=CC=C1</chem>	5.227	4.853	training
82	Menadion	<chem>CC1=CC(=O)C2=CC=CC=C2C1=O</chem>	5.227	5.015	training
83	3-Chlorophenol	<chem>C1=CC(=CC(=C1)Cl)O</chem>	5.250	5.471	training
84	Carbutamide	<chem>CCCCNC(=O)NS(=O)(=O)C1=CC=C(C=C1)N</chem>	5.273	5.191	training
85	Anisole	<chem>COC1=CC=CC=C1</chem>	5.342	4.821	training
86	Sulfisoxazole	<chem>CC1=C(ON=C1C)NS(=O)(=O)C2=CC=C(C=C2)N</chem>	5.342	5.827	training
87	1-Hexanol	<chem>CCCCCCO</chem>	5.365	6.089	training
88	4-Ethoxyphenol	<chem>CCOC1=CC=C(C=C1)O</chem>	5.365	5.190	training
89	Sulfamethomidine	<chem>CC1=NC(=CC(=N1)OC)NS(=O)(=O)C2=CC=C(C=C2)N</chem>	5.365	5.771	training
90	Acridine	<chem>C1=CC=C2C(=C1)C=C3C=CC=CC3=N2</chem>	5.365	4.636	training
91	Fludiazepam	<chem>CN1C(=O)CN=C(C2=C1C=CC(=C2)Cl)C3=CC=CC=C3F</chem>	5.365	5.475	training
92	Diazepam	<chem>CN1C(=O)CN=C(C2=C1C=CC(=C2)Cl)C3=CC=CC=C3</chem>	5.365	5.149	test
93	4-Nitrobenzoic acid	<chem>C1=CC(=CC=C1C(=O)O)[N+](=O)[O-]</chem>	5.388	5.869	training
94	3,5-Dimethoxyphenol	<chem>COC1=CC(=CC(=C1)O)OC</chem>	5.388	5.161	test
95	N-ethylaniline	<chem>CCNC1=CC=CC=C1</chem>	5.388	5.205	test
96	3-Ethoxyphenol	<chem>CCOC1=CC=CC(=C1)O</chem>	5.411	6.129	training
97	Sulfaphenazole	<chem>C1=CC=C(C=C1)N2C(=CC=N2)NS(=O)(=O)C3=CC=C(C=C3)N</chem>	5.411	5.984	training
98	Phenylacetylene	<chem>C#CC1=CC=CC=C1</chem>	5.434	5.494	training
99	N,N-dimethylaniline	<chem>CN(C)C1=CC=CC=C1</chem>	5.434	5.617	test

No.	Chemical name	SMILES	lnK ^{exp*}	lnK ^{est}	Set (ext. validation)
100	Benzothiazole	<chem>C1=CC=C2C(=C1)N=CS2</chem>	5.480	5.573	training
101	p-Xylene	<chem>CC1=CC=C(C=C1)C</chem>	5.480	6.433	training
102	4-Nitrophenol	<chem>C1=CC(=CC=C1[N+](=O)[O-])O</chem>	5.503	5.036	training
103	p-Cresol	<chem>CC1=CC=C(C=C1)O</chem>	5.526	5.666	training
104	Medazepam	<chem>CN1CCN=C(C2=C1C=CC(=C2)Cl)C3=CC=CC=C3</chem>	5.526	6.613	test
105	Phenazine	<chem>C1=CC=C2C(=C1)N=C3C=CC=CC3=N2</chem>	5.549	5.109	training
106	3-Chlorophenyl acetate	<chem>CC(=O)OC1=CC(=CC=C1)Cl</chem>	5.618	6.813	training
107	Carbazole	<chem>C1=CC=C2C(=C1)C3=CC=CC=C3N2</chem>	5.618	6.127	test
108	Benzyl chloride	<chem>C1=CC=C(C=C1)CCl</chem>	5.641	5.671	training
109	4-Methoxyphenyl acetate	<chem>CC(=O)C1=CC(=C(C=C1)OC(=O)C)OC</chem>	5.641	5.401	test
110	4-Nitroaniline	<chem>C1=CC(=CC=C1N)[N+](=O)[O-]</chem>	5.710	4.632	training
111	Sulfamonomethoxine	<chem>COC1=NC=NC(=C1)NS(=O)(=O)C2=CC=C(C=C2)N</chem>	5.710	5.330	training
112	Phenetole	<chem>CCOC1=CC=CC=C1</chem>	5.733	6.048	training
113	p-Tolyl acetate	<chem>CC1=CC=C(C=C1)OC(=O)C</chem>	5.733	6.193	training
114	3-Ethoxyphenyl acetate	<chem>CCOC1=CC=CC(=C1)C(=O)C</chem>	5.733	5.963	training
115	Mefenamic acid	<chem>CC1=C(C(=CC=C1)NC2=CC=CC=C2C(=O)O)C</chem>	5.733	7.185	test
116	Bromobenzene	<chem>C1=CC=C(C=C1)Br</chem>	5.756	5.487	training
117	4-Chlorophenyl acetate	<chem>C1=CC(=CC=C1CC(=O)O)Cl</chem>	5.756	5.793	training
118	Methyl benzoate	<chem>COC(=O)C1=CC=CC=C1</chem>	5.756	5.085	training
119	3-Bromophenol	<chem>C1=CC(=CC(=C1)Br)O</chem>	5.779	6.133	training
120	Sulfadiazine	<chem>C1=CN=C(N=C1)NS(=O)(=O)C2=CC=C(C=C2)N</chem>	5.803	5.376	training
121	Progabide	<chem>C1=CC(=CC=C1C(=NCCCC(=O)N)C2=C(C=CC(=C2)F)O)Cl</chem>	5.826	4.451	training
122	4-Ethoxyphenyl acetate	<chem>CCOC1=CC=C(C=C1)CCO</chem>	5.849	6.046	training

No.	Chemical name	SMILES	lnK ^{exp*}	lnK ^{est}	Set (ext. validation)
123	3,5-Dibromophenol	<chem>C1=C(C=C(C=C1Br)Br)O</chem>	5.895	4.911	training
124	3-Hydroxycinnamic acid	<chem>C1=CC(=CC(=C1)O)/C=C/C(=O)O</chem>	5.895	6.914	test
125	Phenanthridine	<chem>C1=CC=C2C(=C1)C=NC3=CC=CC=C23</chem>	5.918	6.417	training
126	Ethylbenzene	<chem>CCC1=CC=CC=C1</chem>	5.964	6.646	training
127	3-Ethylphenol	<chem>CCC1=CC(=CC=C1)O</chem>	5.987	6.786	training
128	4-Chlorophenol	<chem>C1=CC(=CC=C1O)Cl</chem>	6.010	5.278	training
129	3'-Hydroxypropiophenone	<chem>CCC(=O)C1=CC(=CC=C1)O</chem>	6.010	6.014	training
130	1-Benzylimidazole	<chem>C1=CC=C(C=C1)CN2C=CN=C2</chem>	6.010	5.992	training
131	4'-Hydroxypropiophenone	<chem>CCC(=O)C1=CC=C(C=C1)O</chem>	6.056	5.998	training
132	Fenbufen	<chem>C1=CC=C(C=C1)C2=CC=C(C=C2)C(=O)CCC(=O)O</chem>	6.056	6.859	training
133	4-Bromophenol	<chem>C1=CC(=CC=C1O)Br</chem>	6.102	7.168	training
134	4-Methylcinnamic acid	<chem>CC1=CC=C(C=C1)/C=C/C(=O)O</chem>	6.102	6.083	test
135	Triflumizole	<chem>CCCOCC(=NC1=C(C=C(C=C1)Cl)C(F)(F)F)N2C=C N=C2</chem>	6.125	5.430	training
136	Cyclohexanol	<chem>C1CCC(CC1)O</chem>	6.148	5.930	training
137	3-Bromophenyl acetate	<chem>CC(=O)OC1=CC(=CC=C1)Br</chem>	6.148	6.378	training
138	Meclofenamic acid	<chem>C1=CC=C(C(=C1)C(=O)O)NC2=CC=CC(=C2)C(F)(F))F</chem>	6.148	7.067	training
139	4-Bromophenyl acetate	<chem>C1=CC(=CC=C1CC(=O)O)Br</chem>	6.171	6.190	training
140	3-Ethylphenyl acetate	<chem>CCC1=CC(=CC=C1)OC(=O)C</chem>	6.171	6.982	test
141	4-Ethylphenol	<chem>CCC1=CC=C(C=C1)O</chem>	6.194	6.824	training
142	Phenoxazine	<chem>C1=CC=C2C(=C1)NC3=CC=CC=C3O2</chem>	6.194	5.616	training
143	Ethyl 4-aminobenzoate	<chem>CCOC(=O)C1=CC=C(C=C1)N</chem>	6.194	6.345	test
144	Sulfapyridine	<chem>C1=CC=NC(=C1)NS(=O)(=O)C2=CC=C(C=C2)N</chem>	6.217	5.326	training

No.	Chemical name	SMILES	lnK ^{exp*}	lnK ^{est}	Set (ext. validation)
145	2,2-Dimethyl-1-propanol	<chem>CC(C)(C)CO</chem>	6.240	5.128	training
146	Cyclobarbitol	<chem>CCC1(C(=O)NC(=O)NC1=O)C2=CCCCC2</chem>	6.240	6.552	training
147	Xanthene	<chem>C1C2=CC=CC=C2OC3=CC=CC=C31</chem>	6.240	5.952	training
148	Ethyl benzoate	<chem>CCOC(=O)C1=CC=CC=C1</chem>	6.286	6.306	test
149	Phenothiazine	<chem>C1=CC=C2C(=C1)NC3=CC=CC=C3S2</chem>	6.286	6.494	test
150	3,3-Dimethyl-2-butanol	<chem>CC(C(C)(C)C)O</chem>	6.332	6.724	training
151	Sulfanilamide	<chem>C1=CC(=CC=C1N)S(=O)(=O)N</chem>	6.355	5.358	training
152	4-Hydroxycinnamicacid	<chem>C1=CC(=CC=C1/C=C\C(=O)O)O</chem>	6.516	5.034	training
153	4-Ethylphenyl acetate	<chem>CCC1=CC=C(C=C1)OC(=O)C</chem>	6.516	6.839	training
154	1-Heptanol	<chem>CCCCCCCCO</chem>	6.562	6.321	training
155	Ketoprofen	<chem>CC(C1=CC=CC(=C1)C(=O)C2=CC=CC=C2)C(=O)O</chem>	6.562	6.065	training
156	4-Isopropoxyphenol	<chem>CC(C)OC1=CC=C(C=C1)O</chem>	6.585	6.789	test
157	4-Isopropylphenyl acetate	<chem>CC(C)C1=CC=C(C=C1)OC(=O)C</chem>	6.631	7.483	training
158	N-Phenylanthranilic acid	<chem>C1=CC=C(C=C1)NC2=CC=CC=C2C(=O)O</chem>	6.654	6.796	test
159	Iodobenzene	<chem>C1=CC=C(C=C1)I</chem>	6.747	6.005	training
160	3-Iodophenol	<chem>C1=CC(=CC(=C1)I)O</chem>	6.747	6.740	training
161	m-Methylcinnamicacid	<chem>CC1=CC=CC(=C1)/C=C/C(=O)O</chem>	6.747	6.822	training
162	Acetohexamide	<chem>CC(=O)C1=CC=C(C=C1)S(=O)(=O)NC(=O)NC2CC CCC2</chem>	6.770	6.505	training
163	Prostacyclin	<chem>CCCCC[C@@H](/C=C/[C@H]1[C@@H](C[C@H]2[C@@H]1C/C(=C/CCCC(=O)O)/O2)O)O</chem>	6.770	6.846	training
164	1,4-Dibromobenzene	<chem>C1=CC(=CC=C1Br)Br</chem>	6.839	6.423	training
165	Dibenzofuran	<chem>C1=CC=C2C(=C1)C3=CC=CC=C3O2</chem>	6.839	6.530	test
166	4-Iodophenol	<chem>C1=CC(=CC=C1O)I</chem>	6.862	6.647	training

No.	Chemical name	SMILES	lnK ^{exp*}	lnK ^{est}	Set (ext. validation)
167	4-Iodophenyl acetate	<chem>CC(=O)OC1=CC=C(C=C1)I</chem>	6.908	6.818	training
168	Pentobarbital	<chem>CCCC(C)C1(C(=O)NC(=O)NC1=O)CC</chem>	6.931	7.118	training
169	Ethyl4-hydroxybenzoate	<chem>CCOC(=O)C1=CC=C(C=C1)O</chem>	6.931	6.449	training
170	3-Iodophenyl acetate	<chem>C1=CC=C2C(=C1)C(C(=O)N2)O</chem>	7.069	6.668	training
171	Amobarbital	<chem>CCC1(C(=O)NC(=O)NC1=O)CCC(C)C</chem>	7.069	7.288	test
172	Hexobarbital	<chem>CC1(C(=O)NC(=O)N(C1=O)C)C2=CCCCC2</chem>	7.092	7.641	training
173	Prostaglandine E2	<chem>CCCCC[C@@H](/C=C/[C@H]1[C@@H](CC(=O)[C@@H]1C/C=C\CCCC(=O)O)O)O</chem>	7.115	6.904	training
174	Flufenamic acid	<chem>C1=CC=C(C(=C1)C(=O)O)NC2=CC=CC(=C2)C(F)(F)F</chem>	7.138	7.036	training
175	2-Octanol	<chem>CCCCCCC(C)O</chem>	7.207	7.083	training
176	4-n-Propylphenyl acetate	<chem>CCCC1=CC=C(C=C1)OC(=O)C</chem>	7.253	7.593	test
177	Mephobarbital	<chem>CCC1(C(=O)NC(=O)N(C1=O)C)C2=CC=CC=C2</chem>	7.276	7.225	training
178	1,4-Diodobenzene	<chem>C1=CC(=CC=C1)I</chem>	7.299	8.045	test
179	1-Octanol	<chem>CCCCCCCCO</chem>	7.299	6.956	test
180	Butyl 4-aminobenzoate	<chem>CCCCOC(=O)C1=CC=C(C=C1)N</chem>	7.345	6.394	training
181	Phenobarbital	<chem>CCC1(C(=O)NC(=O)NC1=O)C2=CC=CC=C2</chem>	7.414	5.754	training
182	Thianaphthene	<chem>C1=CC=C2C(=C1)C=CS2</chem>	7.437	6.547	training
183	Hydrocortisone-17-butyrate	<chem>CCCC(=O)O[C@@]1(CC[C@@H]2[C@@]1(C[C@@H]([C@H]3[C@H]2CCC4=CC(=O)CC[C@]34C)O)C)C(=O)CO</chem>	7.437	8.484	training
184	Cycloheptanol	<chem>C1CCCC(CC1)O</chem>	7.437	7.042	training
185	3-Propylphenol	<chem>CCCC1=CC(=CC=C1)O</chem>	7.552	8.084	training
186	3-n-Propylphenyl acetate	<chem>CCCC1=CC=CC(=C1)C(=O)C</chem>	7.552	7.528	training

No.	Chemical name	SMILES	lnK ^{exp*}	lnK ^{est}	Set (ext. validation)
187	Thiopental	<chem>CCCC(C)C1(C(=O)NC(=S)NC1=O)CC</chem>	7.552	7.994	test
188	Cyclooctanol	<chem>C1CCCC(CCC1)O</chem>	7.599	7.524	training
189	Cortisone	<chem>C[C@]12CCC(=O)C=C1CC[C@@H]3[C@@H]2C(=O)[C@]4([C@H]3CC[C@@]4(C(=O)CO)O)C</chem>	7.714	7.551	training
190	Benzidine	<chem>C1=CC(=CC=C1C2=CC=C(C=C2)N)N</chem>	7.714	6.055	training
191	3-Isopropylphenyl acetate	<chem>CC(C)C1=CC(=CC=C1)OC(=O)C</chem>	7.737	7.512	training
192	Triamcinolone	<chem>C[C@]12C[C@@H]([C@]3([C@H]([C@@H]1C[C@H]([C@@]2(C(=O)CO)O)O)CCC4=CC(=O)C=C[C@@]43C)F)O</chem>	7.760	8.109	training
193	Dehydrocholic acid	<chem>C[C@H](CCC(=O)O)[C@H]1CC[C@@H]2[C@@]1(C(=O)C[C@H]3[C@H]2C(=O)C[C@H]4[C@@]3(CC(=O)C4)C</chem>	7.783	7.557	training
194	Butyl 4-hydroxybenzoate	<chem>CCCCOC(=O)C1=CC=C(C=C1)O</chem>	7.806	7.379	test
195	Paramethasone	<chem>C[C@@H]1C[C@H]2[C@@H]3C[C@@H](C4=CC(=O)C=C[C@@]4([C@H]3[C@H](C[C@@]2([C@]1(C(=O)CO)O)C)O)C)F</chem>	7.829	7.612	training
196	3-Isopropylphenol	<chem>CC(C)C1=CC(=CC=C1)O</chem>	7.921	7.807	training
197	Dibenzothiophene	<chem>C1=CC=C2C(=C1)C3=CC=CC=C3S2</chem>	8.013	7.875	training
198	Fluocinoloneacetonide	<chem>C[C@]12C[C@@H]([C@]3([C@H]([C@@H]1C[C@@H]4[C@]2(OC(O4)(C)C)C(=O)CO)C[C@@H](C5=CC(=O)C=C[C@@]53C)F)F)O</chem>	8.013	8.052	training
199	Cholic acid	<chem>C[C@H](CCC(=O)O)[C@H]1CC[C@@H]2[C@@]1([C@H](C[C@H]3[C@H]2[C@@H](C[C@H]4[C@@]3(CC[C@H](C4)O)C)O)O)C</chem>	8.059	8.506	training

No.	Chemical name	SMILES	lnK ^{exp*}	lnK ^{est}	Set (ext. validation)
200	Hydrocortisone-21-acetate	<chem>CC(=O)OCC(=O)C1(CCC2C1(CC(C3C2CCC4=CC(=O)CCC34C)O)C)O</chem>	8.082	8.612	training
201	Triamcinolone acetonide	<chem>C[C@]12C[C@@H]([C@]3([C@H]([C@@H]1C[C@@H]4[C@]2(OC(O4)(C)C)C(=O)CO)CCC5=CC(=O)C=C[C@@]53C)F)O</chem>	8.082	8.199	test
202	4-Propylphenol	<chem>CCCC1=CC=C(C=C1)O</chem>	8.174	8.132	training
203	Prednisolone	<chem>C[C@]12C[C@@H]([C@H]3[C@H]([C@@H]1CC[C@@]2(C(=O)CO)O)CCC4=CC(=O)C=C[C@]34C)O</chem>	8.197	7.986	training
204	Thianthrene	<chem>C1=CC=C2C(=C1)SC3=CC=CC=C3S2</chem>	8.220	8.314	training
205	4-Isopropylphenol	<chem>CC(C)C1=CC=C(C=C1)O</chem>	8.243	7.921	training
206	2-Norbornaneacetate	<chem>C1CC2CC1CC2CC(=O)O</chem>	8.266	7.779	training
207	Hydrocortisone	<chem>C[C@]12CCC(=O)C=C1CC[C@@H]3[C@@H]2[C@H]([C@]4([C@H]3CC[C@@]4(C(=O)CO)O)C)O</chem>	8.289	7.807	training
208	4-n-Butylphenylacetate	<chem>CCCCC1=CC=C(C=C1)CC(=O)O</chem>	8.335	7.282	training
209	Cortisone-21-acetate	<chem>CC(=O)OCC(=O)[C@]1(CC[C@@H]2[C@@]1(CC(=O)[C@H]3[C@H]2CCC4=CC(=O)CC[C@]34C)C)O</chem>	8.335	7.831	test
210	Cinnarizine	<chem>C1CN(CCN1C/C=C/C2=CC=CC=C2)C(C3=CC=CC=C3)C4=CC=CC=C4</chem>	8.381	7.674	training
211	Dexamethasone	<chem>C[C@@H]1C[C@H]2[C@@H]3CCC4=CC(=O)C=C[C@@]4([C@]3([C@H](C[C@@]2([C@]1(C(=O)CO)O)C)O)F)C</chem>	8.404	7.998	training
212	3-n-Butylphenyl acetate	<chem>CCCCC1=CC(=CC=C1)OC(=O)C</chem>	8.427	8.047	training
213	Flurbiprofen	<chem>CC(C1=CC(=C(C=C1)C2=CC=CC=C2)F)C(=O)O</chem>	8.497	7.589	test

No.	Chemical name	SMILES	lnK ^{exp*}	lnK ^{est}	Set (ext. validation)
214	Betamethasone	<chem>C[C@H]1C[C@H]2[C@@H]3CCC4=CC(=O)C=C[C@@@]4([C@]3([C@H](C[C@@]2([C@]1(C(=O)CO)O)C)O)F)C</chem>	8.589	8.022	training
215	3-n-Butylphenol	<chem>CCCCC1=CC(=CC=C1)O</chem>	8.658	8.834	training
216	Prednisolone-21-acetate	<chem>CC(=O)OCC(=O)[C@]1(CC[C@@H]2[C@@]1(C[C@@H]([C@H]3[C@H]2CCC4=CC(=O)C=C[C@]34C)O)C)O</chem>	8.658	8.749	test
217	4-n-Amylphenyl acetate	<chem>CCCCCC1=CC=C(C=C1)OC(=O)C</chem>	8.750	8.871	training
218	3-Isobutylphenyl acetate	<chem>CC(C)CC1=CC(=CC=C1)OC(=O)C</chem>	8.819	8.136	training
219	Tolnaftate	<chem>CC1=CC(=CC=C1)N(C)C(=S)OC2=CC3=CC=CC=C3C=C2</chem>	8.819	8.693	test
220	4-tert-Butylphenyl acetate	<chem>CC(=O)OC1=CC=C(C=C1)C(C)(C)C</chem>	8.865	9.295	training
221	Corticosterone	<chem>C[C@]12CCC(=O)C=C1CC[C@@H]3[C@@H]2[C@H]([C[C@]4([C@H]3CC[C@@H]4C(=O)CO)C)O</chem>	8.865	9.069	training
222	4-n-Butylphenol	<chem>CCCCC1=CC=C(C=C1)O</chem>	9.141	8.746	training
223	3-sec-Butylphenol	<chem>CC(C)(C)C1=C(C=C(C=C1)O)C=O)Cl</chem>	9.348	8.105	training
224	4-sec-Butylphenol	<chem>CCC(C)C1=CC=C(C=C1)O</chem>	9.625	8.612	training
225	4-n-Amylphenol	<chem>CCCCCC1=CC=C(C=C1)O</chem>	9.648	9.372	training
226	3-Isobutylphenol	<chem>CC(C)CC1=CC(=CC=C1)O</chem>	9.694	8.728	training
227	1-Adamantaneacetate	<chem>C1C2CC3CC1CC(C2)(C3)CC(=O)O</chem>	9.947	10.330	training
228	Chenodeoxycholic acid	<chem>C[C@H](CCC(=O)O)[C@H]1CC[C@@H]2[C@@]1(CC[C@H]3[C@H]2[C@@H](C[C@H]4[C@@]3(CC[C@H](C4)O)C)O)C</chem>	10.039	10.547	training
229	3-tert-Butylphenol	<chem>CC(C)(C)C1=CC(=CC=C1)O</chem>	10.154	9.859	test

No.	Chemical name	SMILES	lnK ^{exp*}	lnK ^{est}	Set (ext. validation)
230	Spironolactone	<chem>CC(=O)S[C@@H]1CC2=CC(=O)CC[C@@]2([C@@H]3[C@@H]1[C@@H]4CC[C@]5([C@]4(CC3)C)C CC(=O)O5)C</chem>	10.223	9.236	training
231	Ursodeoxycholic acid	<chem>C[C@H](CCC(=O)O)[C@H]1CC[C@@H]2[C@@]1(CC[C@H]3[C@H]2[C@H](C[C@H]4[C@@]3(CC[C@H](C4)O)C)O)C</chem>	10.385	10.361	training
232	4-tert-Butylphenol	<chem>CC(C)(C)C1=CC=C(C=C1)O</chem>	10.500	9.885	training
233	4-tert-Amylphenol	<chem>CCC(C)(C)C1=CC=C(C=C1)O</chem>	10.822	10.447	training

*Source: a) Suzuki, T. A Nonlinear Group Contribution Method for Predicting the Free Energies of Inclusion Complexation of Organic Molecules with α - and β -Cyclodextrins. J. Chem. Inf. Comput. Sci. 2001, 41 b) Mirrahimi, F.; Salahinejad, M.; Ghasemi, J.B. QSPR approaches to elucidate the stability constants between β -cyclodextrin and some organic compounds: Docking based 3D conformer. J. Mol. Liq. 2016, 219, 1036–1043

Table. S2 LnK values predicted for compounds belonging to different classes according to Biopharmaceutical Classification System (BCS).

No.	API	SMILES	LnK ^{est}	BCS*
1	alfacalcidol	<chem>CC(C)CCCC(C)C1CCC2C1(CCCC2=CC=C3CC(C(C3=C)O)O)C</chem>	14.343	Class I
2	alprazolam	<chem>CC1=NN=C2N1C3=C(C=C(C=C3)Cl)C(=NC2)C4=CC=CC=C4</chem>	8.767	Class I
3	azulene sulfonate sodium	<chem>CC1=C2C(=CC(=C2C=C(C=C1)C(C)C)C)S(=O)(=O)[O-].[Na+]</chem>	9.039	Class I
4	beraprost sodium	<chem>CC#CCC(C)C(C=CC1C(CC2C1C3=C(O2)C(=CC=C3)CCCC(=O)[O-])O)O.[Na+]</chem>	7.171	Class I
5	bisoprolol fumarate	<chem>CC(C)NCC(COC1=CC=C(C=C1)COCCOC(C)C)O.C(=CC(=O)O)C(=O)O</chem>	5.832	Class I
6	brotizolam	<chem>CC1=NN=C2N1C3=C(C=C(S3)Br)C(=NC2)C4=CC=CC=C4Cl</chem>	5.955	Class I
7	cabergoline	<chem>CCNC(=O)N(CCCN(C)C)C(=O)C1CC2C(CC3=CNC4=CC=CC2=C34)N(C1)CC=C</chem>	7.982	Class I
8	chlorpheniramine maleate	<chem>CN(C)CCC(C1=CC=C(C=C1)Cl)C2=CC=CC=N2.C(=CC(=O)O)C(=O)O</chem>	8.132	Class I
9	clomiphene citrate	<chem>CCN(CC)CCOC1=CC=C(C=C1)C(=C(C2=CC=CC=C2)Cl)C3=C(C=CC=C3.C(C(=O)O)C(CC(=O)O)(C(=O)O)O</chem>	13.098	Class I
10	desloratadine	<chem>C1CC2=C(C=CC(=C2)Cl)C(=C3CCNCC3)C4=C1C=CC=N4</chem>	8.016	Class I
11	dexamethasone	<chem>CC1CC2C3CCC4=CC(=O)C=CC4(C3(C(CC2(C1(C(=O)CO)O)C)O)F)C</chem>	8.679	Class I
12	diclofenac sodium	<chem>C1=CC=C(C(=C1)CC(=O)[O-])NC2=C(C=CC=C2Cl)Cl.[Na+]</chem>	6.802	Class I
13	ergocalciferol	<chem>CC(C)C(C)C=CC(C)C1CCC2C1(CCCC2=CC=C3CC(CCC3=C)O)C</chem>	14.937	Class I
14	escitalopram oxalate	<chem>CN(C)CCCC1(C2=C(CO1)C=C(C=C2)C#N)C3=CC=C(C=C3)F.C(=O)(C(=O)O)O</chem>	7.266	Class I
15	ethinyl estradiol	<chem>CC12CCC3C(C1CCC2(C#C)O)CCC4=C3C=CC(=C4)O</chem>	10.099	Class I
16	etizolam	<chem>CCC1=CC2=C(S1)N3C(=NN=C3CN=C2C4=CC=CC=C4Cl)C</chem>	6.964	Class I

No.	API	SMILES	LnK ^{est}	BCS*
17	finasteride	<chem>CC12CCC3C(C1CCC2C(=O)NC(C)(C)C)CCC4C3(C=CC(=O)N4)C</chem>	11.766	Class I
18	fluvastatin sodium	<chem>CC(C)N1C2=CC=CC=C2C(=C1C=CC(CC(CC(=O)[O-])O)O)C3=CC=C(C=C3)F.[Na+]</chem>	8.943	Class I
19	fluvoxamine maleate	<chem>COCCCCC(=NOCCN)C1=CC=C(C=C1)C(F)(F)F.C(=CC(=O)O)C(=O)O</chem>	9.480	Class I
20	indapamide	<chem>CC1CC2=CC=CC=C2N1NC(=O)C3=CC(=C(C=C3)Cl)S(=O)(=O)N</chem>	7.833	Class I
21	levonorgestrel	<chem>CCC12CCC3C(C1CCC2(C#C)O)CCC4=CC(=O)CCC34</chem>	10.595	Class I
22	levothyroxine sodium	<chem>C1=C(C=C(C(=C1)OC2=CC(=C(C(=C2)I)O)I)I)CC(C(=O)[O-])N.[Na+]</chem>	6.143	Class I
23	lorazepam	<chem>C1=CC=C(C(=C1)C2=NC(C(=O)NC3=C2C=C(C=C3)Cl)O)Cl</chem>	5.091	Class I
24	losartan potassium	<chem>CCCCC1=NC(=C(N1CC2=CC=C(C=C2)C3=CC=CC=C3C4=NN=N[N-]4)CO)Cl.[K+]</chem>	19.588	Class I
25	loxoprofen sodium	<chem>CC(C1=CC=C(C=C1)CC2CCCC2=O)C(=O)[O-].[Na+]</chem>	7.685	Class I
26	metoprolol tartrate	<chem>CC(C)NCC(COC1=CC=C(C=C1)CCOC)O.CC(C)NCC(COC1=C(C=C(C=C1)CCOC)O.C(C(C(=O)O)O)(C(=O)O)O</chem>	3.656	Class I
27	mirtazapine	<chem>CN1CCN2C(C1)C3=CC=CC=C3CC4=C2N=CC=C4</chem>	8.189	Class I
28	norethindrone (norethisterone)	<chem>CC12CCC3C(C1CCC2(C#C)O)CCC4=CC(=O)CCC34</chem>	10.123	Class I
29	norgestimate	<chem>CCC12CCC3C(C1CCC2(C#C)OC(=O)C)CCC4=CC(=NO)CCC34</chem>	10.172	Class I
30	phendimetrazine tartrate	<chem>CC1C(OCCN1C)C2=CC=CC=C2.C(C(C(=O)O)O)(C(=O)O)O</chem>	7.415	Class I
31	pravastatin sodium	<chem>CCC(C)C(=O)OC1CC(C=C2C1C(C(C=C2)C)CCC(CC(CC(=O)[O-])O)O)O.[Na+]</chem>	6.859	Class I

No.	API	SMILES	LnK ^{est}	BCS*
32	quetiapine fumarate	<chem>C1CN(CCN1CCOCCO)C2=NC3=CC=CC=C3SC4=CC=CC=C42.C1CN(CCN1CCOCCO)C2=NC3=CC=CC=C3SC4=CC=CC=C42.C(=CC(=O)O)C(=O)O</chem>	6.521	Class I
33	quinine sulfate	<chem>COC1=CC2=C(C=CN=C2C=C1)C(C3CC4CCN3CC4C=C)O.OS(=O)(=O)O</chem>	7.766	Class I
34	rabeprazole sodium	<chem>CC1=C(C=CN=C1CS(=O)C2=NC3=CC=CC=C3[N-]2)OCCOC.[Na+]</chem>	12.421	Class I
35	ramipril	<chem>CCOC(=O)C(CCC1=CC=CC=C1)NC(C)C(=O)N2C3CCCC3CC2C(=O)O</chem>	9.084	Class I
36	reserpine	<chem>COC1C(CC2CN3CCC4=C(C3CC2C1C(=O)OC)NC5=C4C=CC(=C5)OC)OC(=O)C6=CC(=C(C(=C6)OC)OC)OC</chem>	6.174	Class I
37	rivastigmine tartrate	<chem>CCN(C)C(=O)OC1=CC=CC(=C1)C(C)N(C)C.C(C(C(=O)O)O)(C(=O)O)O</chem>	7.717	Class I
38	saquinavir mesylate	<chem>CC(C)(C)NC(=O)C1CC2CCCCC2CN1CC(C(CC3=CC=CC=C3)NC(=O)C(CC(=O)N)NC(=O)C4=NC5=CC=CC=C5C=C4)O.CS(=O)(=O)O</chem>	10.621	Class I
39	tacrolimus	<chem>CC1CC(C2C(CC(C(O2)C(=O)C(=O)N3CCCCC3C(=O)OC(C(C(C(=O)C(C=C(C1)C)CC=C)O)C(=CC4CCC(C(C4)OC)O)C)O)C)OC)OC</chem>	4.398	Class I
40	thioctic acid	<chem>C1CSSC1CCCCC(=O)O</chem>	7.057	Class I
41	toremifene citrate	<chem>CN(C)CCOC1=CC=C(C=C1)C(=C(CCC1)C2=CC=CC=C2)C3=C(C=CC=C3.C(C(=O)O)C(CC(=O)O)(C(=O)O)O</chem>	12.935	Class I
42	trimebutin maleate	<chem>CCC(COC(=O)C1=CC(=C(C(=C1)OC)OC)OC)(C2=CC=CC=C2)N(C)C.C(=CC(=O)O)C(=O)O</chem>	7.435	Class I
43	valproate sodium	<chem>CCCC(CCC)C(=O)[O-].[Na+]</chem>	6.765	Class I

No.	API	SMILES	LnK ^{est}	BCS*
44	zolpidem tartrate	<chem>CC1=CC=C(C=C1)C2=C(N3C=C(C=CC3=N2)C)CC(=O)N(C)C.C(C(C(=O)O)O)(C(=O)O)O</chem>	9.459	Class I
45	aceclofenac	<chem>C1=CC=C(C=C1)CC(=O)OCC(=O)O)NC2=C(C=CC=C2Cl)Cl</chem>	6.062	Class II
46	albendazole	<chem>CCCSC1=CC2=C(C=C1)N=C(N2)NC(=O)OC</chem>	7.950	Class II
47	alibendol	<chem>COC1=C(C(=CC(=C1)CC=C)C(=O)NCCO)O</chem>	5.501	Class II
48	anastrozole	<chem>CC(C)(C#N)C1=CC(=CC(=C1)CN2C=NC=N2)C(C)(C)C#N</chem>	8.127	Class II
49	atropine sulfate	<chem>CN1C2CCC1CC(C2)OC(=O)C(CO)C3=CC=CC=C3.CN1C2CCC1CC(C2)OC(=O)C(CO)C3=CC=CC=C3.OS(=O)(=O)O</chem>	4.299	Class II
50	bicalutamide	<chem>CC(CS(=O)(=O)C1=CC=C(C=C1)F)(C(=O)NC2=CC(=C(C=C2)C#N)C(F)(F)F)O</chem>	6.174	Class II
51	bisacodyl	<chem>CC(=O)OC1=CC=C(C=C1)C(C2=CC=C(C=C2)OC(=O)C)C3=C(C=CC=N3)C</chem>	11.166	Class II
52	camostat mesylate	<chem>CN(C)C(=O)COC(=O)CC1=CC=C(C=C1)OC(=O)C2=CC=C(C=C2)N=C(N)N.CS(=O)(=O)O</chem>	7.754	Class II
53	candesartan cilexetil	<chem>CCOC1=NC2=CC=CC(=C2N1CC3=CC=C(C=C3)C4=CC=CC=C4C5=NNN=N5)C(=O)OC(C)OC(=O)OC6CCCCC6</chem>	14.839	Class II
54	carbamazepine	<chem>C1=CC=C2C(=C1)C=CC3=CC=CC=C3N2C(=O)N</chem>	8.899	Class II
55	carvedilol	<chem>COC1=CC=CC=C1OCCNCC(COC2=CC=CC3=C2C4=CC=CC=C4N3)O</chem>	4.483	Class II
56	celecoxib	<chem>CC1=CC=C(C=C1)C2=CC(=NN2C3=CC=C(C=C3)S(=O)(=O)N)C(F)(F)F</chem>	7.388	Class II
57	cilazapril	<chem>CCOC(=O)C(CCC1=CC=CC=C1)NC2CCCN3CCCC(N3C2=O)C(=O)O</chem>	7.178	Class II
58	cilostazol	<chem>C1CCC(CC1)N2C(=NN=N2)CCCCOC3=CC4=C(C=C3)NC(=O)CC4</chem>	9.067	Class II

No.	API	SMILES	LnK ^{est}	BCS*
59	clarithromycin	<chem>CCC1C(C(C(C(=O)C(CC(C(C(C(C(=O)O1)C)OC2CC(C(C(O2)C)O)(C)OC)C)OC3C(C(CC(O3)C)N(C)C)O)(C)OC)C)O)(C)O</chem>	4.294	Class II
60	clofazimine	<chem>CC(C)N=C1C=C2C(=NC3=CC=CC=C3N2C4=CC=C(C=C4)Cl)C=C1NC5=CC=C(C=C5)Cl</chem>	10.379	Class II
61	clopidogrel bisulfate	<chem>COC(=O)C(C1=CC=CC=C1Cl)N2CCC3=C(C2)C=CS3.OS(=O)(=O)O</chem>	8.383	Class II
62	clozapine	<chem>CN1CCN(CC1)C2=NC3=C(C=CC(=C3)Cl)NC4=CC=CC=C42</chem>	8.836	Class II
63	colchicine	<chem>CC(=O)NC1CCC2=CC(=C(C(=C2C3=CC=C(C(=O)C=C13)OC)OC)OC)OC</chem>	7.259	Class II
64	cyclosporin a	<chem>CCC1C(=O)N(CC(=O)N(C(C(=O)NC(C(=O)N(C(C(=O)NC(C(=O)NC(C(=O)N(C(C(=O)N(C(C(=O)N1)C(C(C)CC=CC)O)C)C(C)C)CC(C)C)C(C)C)CC(C)C)C)C)C)C)C)C</chem>	-6.361	Class II
65	cypoterone acetate	<chem>CC(=O)C1(CCC2C1(CCC3C2C=C(C4=CC(=O)C5CC5C34C)Cl)C)OC(=O)C</chem>	8.878	Class II
66	diazepam	<chem>CN1C(=O)CN=C(C2=C1C=CC(=C2)Cl)C3=CC=CC=C3</chem>	7.663	Class II
67	diethylcarbamazine citrate	<chem>CCN(CC)C(=O)N1CCN(CC1)C.C(C(=O)O)C(CC(=O)O)(C(=O)O)O</chem>	4.967	Class II
68	digoxin	<chem>CC1C(C(CC(O1)OC2C(OC(CC2O)OC3C(OC(CC3O)OC4CCC5(C(C4)CCC6C5CC(C7(C6(CCC7C8=CC(=O)OC8)O)C)O)C)C)C)O)O</chem>	6.803	Class II
69	diloxanide furoate	<chem>CN(C1=CC=C(C=C1)OC(=O)C2=CC=CO2)C(=O)C(Cl)Cl</chem>	6.826	Class II
70	ebastine	<chem>CC(C)(C)C1=CC=C(C=C1)C(=O)CCCN2CCC(CC2)OC(C3=CC=CC=C3)C4=CC=CC=C4</chem>	18.020	Class II
71	efavirenz	<chem>C1CC1C#CC2(C3=C(C=CC(=C3)Cl)NC(=O)O2)C(F)(F)F</chem>	8.514	Class II
72	epalrestat	<chem>CC(=CC1=CC=CC=C1)C=C2C(=O)N(C(=S)S2)CC(=O)O</chem>	8.714	Class II

No.	API	SMILES	LnK ^{est}	BCS*
73	eprosartan mesylate	<chem>CCCCC1=NC=C(N1CC2=CC=C(C=C2)C(=O)O)C=C(CC3=CC=CS3)C(=O)O.CS(=O)(=O)O</chem>	11.444	Class II
74	erythromycin ethylsuccinate	<chem>CCC1C(C(C(C(=O)C(C(C(C(C(C(=O)O1)C)OC2CC(C(C(O2)C)O)(C)OC)C)OC3C(C(CC(O3)C)N(C)C)OC(=O)CCC(=O)OC(C)(C)O)C)C)O)(C)O</chem>	4.943	Class II
75	ethylicosapentate	<chem>CCC=CCC=CCC=CCC=CCC=CCCCC(=O)OCC</chem>	12.192	Class II
76	ezetimibe	<chem>C1=CC(=CC=C1C2C(C(=O)N2C3=CC=C(C=C3)F)CCC(C4=CC=C(C=C4)F)O)O</chem>	4.077	Class II
77	fenofibrate	<chem>CC(C)OC(=O)C(C)(C)OC1=CC=C(C=C1)C(=O)C2=CC=C(C=C2)Cl</chem>	9.089	Class II
78	flurbiprofen	<chem>CC(C1=CC(=C(C=C1)C2=CC=CC=C2)F)C(=O)O</chem>	10.607	Class II
79	furosemide	<chem>C1=COC(=C1)CNC2=CC(=C(C=C2C(=O)O)S(=O)(=O)N)Cl</chem>	5.463	Class II
80	fursultiamine	<chem>CC1=NC=C(C(=N1)N)CN(C=O)C(=C(CCO)SSCC2CCCCO2)C</chem>	5.355	Class II
81	gefitinib	<chem>COC1=C(C=C2C(=C1)N=CN=C2NC3=CC(=C(C=C3)F)Cl)OCCCN4CCOCC4</chem>	6.112	Class II
82	glibenclamide	<chem>COC1=C(C=C(C=C1)Cl)C(=O)NCCC2=CC=C(C=C2)S(=O)(=O)NC(=O)NC3CCCCC3</chem>	8.756	Class II
83	glimepiride	<chem>CCC1=C(CN(C1=O)C(=O)NCCC2=CC=C(C=C2)S(=O)(=O)NC(=O)NC3CCCC(C3)C</chem>	9.320	Class II
84	glipizide	<chem>CC1=NC=C(N=C1)C(=O)NCCC2=CC=C(C=C2)S(=O)(=O)NC(=O)NC3CCCCC3</chem>	7.827	Class II
86	glyceryl trinitrate	<chem>C(C(CO[N+](=O)[O-])O[N+](=O)[O-])O[N+](=O)[O-]</chem>	5.277	Class II
87	griseofulvin	<chem>CC1CC(=O)C=C(C12C(=O)C3=C(O2)C(=C(C=C3OC)OC)Cl)OC</chem>	4.465	Class II
88	haloperidol	<chem>C1CN(CCC1(C2=CC=C(C=C2)Cl)O)CCCC(=O)C3=CC=C(C=C3)F</chem>	8.490	Class II

No.	API	SMILES	LnK ^{est}	BCS*
89	ibuprofen	<chem>CC(C)CC1=CC=C(C=C1)C(C)C(=O)O</chem>	10.426	Class II
90	iopanoic acid	<chem>CCC(CC1=C(C(=C(C=C1)I)N)I)C(=O)O</chem>	8.035	Class II
91	irbesartan	<chem>CCCCC1=NC2(CCCC2)C(=O)N1CC3=CC=C(C=C3)C4=CC=C(C=C4)C5=NNN=N5</chem>	11.184	Class II
92	isotretinoin	<chem>CC1=C(C(CCC1)(C)C)C=CC(=CC=CC(=CC(=O)O)C)C</chem>	12.422	Class II
93	itraconazole	<chem>CCC(C)N1C(=O)N(C=N1)C2=CC=C(C=C2)N3CCN(CC3)C4=C(C=C(C=C4)OCC5COC(O5)(CN6C=NC=N6)C7=C(C=C(C=C7)C)Cl</chem>	0.662	Class II
94	ivermectin	<chem>CCC(C)C1C(CCC2(O1)CC3CC(O2)CC=C(C(C(C=CC=C4COC5C4(C(C=C(C5O)C)C(=O)O3)O)C)OC6CC(C(C(O6)C)OC7CC(C(C(O7)C)O)OC)OC)C</chem>	2.013	Class II
95	ketoprofen	<chem>CC(C1=CC=CC(=C1)C(=O)C2=CC=CC(=C2)C(=O)O</chem>	8.559	Class II
96	lamotrigine	<chem>C1=CC(=C(C(=C1)Cl)Cl)C2=C(N=C(N=N2)N)N</chem>	6.406	Class II
97	letrozole	<chem>C1=CC(=CC=C1C#N)C(C2=CC=C(C=C2)C#N)N3C=NC=N3</chem>	4.313	Class II
98	lopinavir	<chem>CC1=C(C(=CC=C1)C)OCC(=O)NC(CC2=CC=CC(=C2)C(CC(CC3=CC=CC=C3)NC(=O)C(C(C)C)N4CCCNC4=O)O</chem>	11.268	Class II
99	loratadine	<chem>CCOC(=O)N1CCC(=C2C3=C(CCC4=C2N=CC=C4)C=C(C=C3)Cl)CC1</chem>	6.915	Class II
100	lovastatin	<chem>CCC(C)C(=O)OC1CC(C=C2C1C(C(C=C2)C)CCC3CC(CC(=O)O3)O)C</chem>	7.600	Class II
101	mebendazole	<chem>COC(=O)NC1=NC2=C(N1)C=C(C=C2)C(=O)C3=CC=CC=C3</chem>	8.974	Class II
102	medroxyprogesterone acetate	<chem>CC1CC2C(CCC3(C2CCC3(C(=O)C)OC(=O)C)C)C4(C1=CC(=O)CC4)C</chem>	10.949	Class II
103	meloxicam	<chem>CC1=CN=C(S1)NC(=O)C2=C(C3=CC=CC(=C3)S(=O)(=O)N2C)O</chem>	7.164	Class II

No.	API	SMILES	LnK ^{est}	BCS*
104	menatetrenone	<chem>CC1=C(C(=O)C2=CC=CC=C2C1=O)CC=C(C)CCC=C(C)CCC=C(C)CCC=C(C)C</chem>	12.348	Class II
105	metaxalone	<chem>CC1=CC(=CC(=C1)OCC2CNC(=O)O2)C</chem>	6.586	Class II
106	morphine sulfate	<chem>CN1CCC23C4C1CC5=C2C(=C(C=C5)O)OC3C(C=C4)O</chem>	7.213	Class II
107	mycophenolate mofetil	<chem>CC1=C(C(=C(C2=C1COC2=O)O)CC=C(C)CCC(=O)OCCN3CCOCC3)OC</chem>	3.767	Class II
108	nabumetone	<chem>CC(=O)CCC1=CC2=C(C=C1)C=C(C=C2)OC</chem>	8.071	Class II
109	nevirapine	<chem>CC1=C2C(=NC=C1)N(C3=C(C=CC=N3)C(=O)N2)C4CC4</chem>	6.723	Class II
110	nicergoline	<chem>CN1CC(CC2(C1CC3=CN(C4=CC=CC2=C34)C)OC)COC(=O)C5=CC(=CN=C5)Br</chem>	7.587	Class II
111	niclosamide	<chem>C1=CC(=C(C=C1[N+])(=O)[O-])Cl)NC(=O)C2=C(C=CC(=C2)Cl)O</chem>	7.410	Class II
112	nifedipine	<chem>CC1=C(C(C(=C(N1)C)C(=O)OC)C2=CC=CC=C2[N+])(=O)[O-])C(=O)OC</chem>	6.948	Class II
113	nimesulide	<chem>CS(=O)(=O)NC1=C(C=C(C=C1)[N+])(=O)[O-])OC2=CC=CC=C2</chem>	8.133	Class II
114	olanzapine	<chem>CC1=CC2=C(S1)NC3=CC=CC=C3N=C2N4CCN(CC4)C</chem>	7.369	Class II
115	orlistat	<chem>CCCCCCCCCCCC(CC1C(C(=O)O1)CCCCC)OC(=O)C(CC(C)C)NC=O</chem>	7.572	Class II
116	perindopril erbumine	<chem>CCCC(C(=O)OCC)NC(C)C(=O)N1C2CCCCC2CC1C(=O)O.CC(C)(C)N</chem>	7.162	Class II
117	phenytoin	<chem>C1=CC=C(C=C1)C2(C(=O)NC(=O)N2)C3=CC=CC=C3</chem>	7.552	Class II
118	phenytoin sodium	<chem>C1=CC=C(C=C1)C2(C(=O)[N-]C(=O)N2)C3=CC=CC=C3.[Na+]</chem>	8.011	Class II
119	praziquantel	<chem>C1CCC(CC1)C(=O)N2CC3C4=CC=CC=C4CCN3C(=O)C2</chem>	7.981	Class II
120	prednisolone	<chem>CC12CC(C3C(C1CCC2(C(=O)CO)O)CCC4=CC(=O)C=CC34C)O</chem>	8.617	Class II

No.	API	SMILES	LnK ^{est}	BCS*
121	pyrantel embonate	<chem>CN1CCCN=C1C=CC2=CC=CS2.C1=CC=C2C(=C1)C=C(C(=C2CC3=C(C(=CC4=CC=CC=C43)C(=O)O)O)O)C(=O)O</chem>	4.535	Class II
122	pyrimethamine	<chem>CCC1=C(C(=NC(=N1)N)N)C2=CC=C(C=C2)Cl</chem>	6.646	Class II
123	rebamipide	<chem>C1=CC=C2C(=C1)C(=CC(=O)N2)CC(C(=O)O)NC(=O)C3=CC=C(C=C3)Cl</chem>	7.917	Class II
124	retinol palmitate	<chem>CCCCCCCCCCCCCCCC(=O)OCC=C(C)C=CC=C(C)C=CC1=C(CCCC1(C)C)C</chem>	21.946	Class II
125	rifampicin	<chem>CC1C=CC=C(C(=O)NC2=C(C3=C(C4=C(C(=C3O)C)OC(C4=O)(OC=CC(C(C(C(C(C1O)C)O)C)OC(=O)C)C)OC)C)C(=C2C=NN5CCN(CC5)C)O)O)C</chem>	3.958	Class II
126	risperidone	<chem>CC1=C(C(=O)N2CCCCC2=N1)CCN3CCC(CC3)C4=NOC5=C4C=CC(=C5)F</chem>	6.868	Class II
127	ritonavir	<chem>CC(C)C1=NC(=CS1)CN(C)C(=O)NC(C(C)C)C(=O)NC(CC2=C(C=CC=C2)CC(C(CCC3=CC=CC=C3)NC(=O)OCC4=CN=CS4)O</chem>	12.463	Class II
128	rofecoxib	<chem>CS(=O)(=O)C1=CC=C(C=C1)C2=C(C(=O)OC2)C3=CC=CC=C3</chem>	9.614	Class II
129	roxithromycin	<chem>CCC1C(C(C(C(=NOCOCOC)C(C(C(C(C(C(=O)O1)C)OC2CC(C(C(O2)C)O)(C)OC)C)OC3C(C(CC(O3)C)N(C)C)O)(C)O)C)C)O(C)O</chem>	5.065	Class II
130	simvastatin	<chem>CCC(C)(C)C(=O)OC1CC(C=C2C1C(C(C=C2)C)CCC3CC(C(C(=O)O3)O)C</chem>	9.364	Class II
131	spironolactone	<chem>CC(=O)SC1CC2=CC(=O)CCC2(C3C1C4CCC5(C4(CC3)C)CCC(=O)O5)C</chem>	9.911	Class II
132	sulfasalazine	<chem>C1=CC=NC(=C1)NS(=O)(=O)C2=CC=C(C=C2)N=NC3=CC(=C(C=C3)O)C(=O)O</chem>	8.413	Class II
133	tamoxifen citrate	<chem>CCC(=C(C1=CC=CC=C1)C2=CC=C(C=C2)OCCN(C)C)C3=CC=CC=C3.C(C(=O)O)C(CC(=O)O)(C(=O)O)O</chem>	13.075	Class II

No.	API	SMILES	LnK ^{est}	BCS*
134	telmisartan	<chem>CCCC1=NC2=C(C=C(C=C2N1CC3=CC=C(C=C3)C4=CC=CC=C4C(=O)O)C5=NC6=CC=CC=C6N5C)C</chem>	13.148	Class II
135	teprenone	<chem>CC(=CCCC(=CCCC(=CCCC(=CCCC(=O)C)C)C)C)C</chem>	12.508	Class II
136	tocopherol nicotinate	<chem>CC1=C2C(=C(C(=C1C)OC(=O)C3=CN=CC=C3)C)CCC(O2)(C)CCCC(C)CCCC(C)CCCC(C)C</chem>	12.136	Class II
137	triflusal	<chem>CC(=O)OC1=C(C=CC(=C1)C(F)(F)F)C(=O)O</chem>	6.934	Class II
138	ursodeoxycholic acid (ursodiol)	<chem>CC(CCC(=O)O)C1CCC2C1(CCC3C2C(CC4C3(CCC(C4)O)C)O)C</chem>	12.364	Class II
139	valproic acid	<chem>CCCC(CCC)C(=O)O</chem>	7.762	Class II
140	valsartan	<chem>CCCCC(=O)N(CC1=CC=C(C=C1)C2=CC=CC=C2C3=NNN=N3)C(C(C)C)C(=O)O</chem>	11.789	Class II
141	warfarin sodium	<chem>CC(=O)CC(C1=CC=CC=C1)C2=C(C3=CC=CC=C3OC2=O)[O-].[Na+]</chem>	9.164	Class II
142	zaltoprofen	<chem>CC(C1=CC2=C(C=C1)SC3=CC=CC=C3C(=O)C2)C(=O)O</chem>	8.186	Class II
143	zolmitriptan	<chem>CN(C)CCC1=CNC2=C1C=C(C=C2)CC3COC(=O)N3</chem>	7.136	Class II
144	acarbose	<chem>CC1C(C(C(C(O1)OC2C(OC(C(C2O)O)OC3C(OC(C(C3O)O)O)CO)CO)O)O)NC4C=C(C(C(C4O)O)O)CO</chem>	4.589	Class III
145	acyclovir	<chem>C1=NC2=C(N1COCCO)N=C(NC2=O)N</chem>	5.495	Class III
146	alendronate sodium	<chem>C(CC(O)(P(=O)(O)O)P(=O)(O)[O-])CN.[Na+]</chem>	3.859	Class III
147	ascorbic acid	<chem>C(C(C1C(=C(C(=O)O1)O)O)O)O</chem>	4.571	Class III
148	atenolol	<chem>CC(C)NCC(COC1=CC=C(C=C1)CC(=O)N)O</chem>	5.606	Class III
149	benznidazole	<chem>C1=CC=C(C=C1)CNC(=O)CN2C=CN=C2[N+](=O)[O-]</chem>	6.944	Class III
150	capecitabine	<chem>CCCCCOC(=O)NC1=NC(=O)N(C=C1F)C2C(C(C(O2)C)O)O</chem>	5.546	Class III
151	captopril	<chem>CC(CS)C(=O)N1CCCC1C(=O)O</chem>	5.872	Class III
152	cefaclor	<chem>C1C(=C(N2C(S1)C(C2=O)NC(=O)C(C3=CC=CC=C3)N)C(=O)O)Cl</chem>	5.173	Class III

No.	API	SMILES	LnK ^{est}	BCS*
153	cefmetazole sodium	<chem>CN1C(=NN=N1)SCC2=C(N3C(C(C3=O)(NC(=O)CSCC#N)OC)SC2)C(=O)[O-].[Na+]</chem>	4.535	Class III
154	cefroxadine	<chem>COC1=C(N2C(C(C2=O)NC(=O)C(C3=CCC=CC3)N)SC1)C(=O)O</chem>	5.218	Class III
155	chloramphenicol	<chem>C1=CC(=CC=C1C(C(CO)NC(=O)C(Cl)Cl)O)[N+](=O)[O-]</chem>	5.894	Class III
156	choline alfoscerate	<chem>C[N+](C)(C)CCOP(=O)([O-])OCC(CO)O</chem>	5.679	Class III
157	cimetidine	<chem>CC1=C(N=CN1)CSCCNC(=NC)NC#N</chem>	6.674	Class III
158	cyclophosphamide	<chem>C1CNP(=O)(OC1)N(CCCl)CCCl</chem>	5.578	Class III
159	dapsone	<chem>C1=CC(=CC=C1N)S(=O)(=O)C2=CC=C(C=C2)N</chem>	6.071	Class III
160	didanosine	<chem>C1CC(OC1CO)N2C=NC3=C2N=CNC3=O</chem>	4.995	Class III
161	dl-methionine	<chem>CSCCC(C(=O)O)N</chem>	5.157	Class III
162	doxifluridine	<chem>CC1C(C(C(O1)N2C=C(C(=O)NC2=O)F)O)O</chem>	5.152	Class III
163	enalapril maleate	<chem>CCOC(=O)C(CCC1=CC=CC=C1)NC(C)C(=O)N2CCCC2C(=O)O.C(=CC(=O)O)C(=O)O</chem>	7.075	Class III
164	ethosuximide	<chem>CCC1(CC(=O)NC1=O)C</chem>	6.022	Class III
165	famciclovir	<chem>CC(=O)OCC(CCN1C=NC2=CN=C(N=C21)N)COC(=O)C</chem>	5.305	Class III
166	famotidine	<chem>C1=C(N=C(S1)N=C(N)N)CSCCC(=NS(=O)(=O)N)N</chem>	5.233	Class III
167	fluconazole	<chem>C1=CC(=C(C=C1F)F)C(CN2C=NC=N2)(CN3C=NC=N3)O</chem>	4.650	Class III
168	gabapentin	<chem>C1CCC(CC1)(CC(=O)O)CN</chem>	7.539	Class III
169	gliclazide	<chem>CC1=CC=C(C=C1)S(=O)(=O)NC(=O)NN2CC3CCCC3C2</chem>	8.190	Class III
170	isoniazid	<chem>C1=CN=CC=C1C(=O)NN</chem>	3.637	Class III
171	isosorbide dinitrate	<chem>C1C(C2C(O1)C(CO2)O[N+](=O)[O-])O[N+](=O)[O-]</chem>	4.614	Class III
172	lamivudine	<chem>C1C(OC(S1)CO)N2C=CC(=NC2=O)N</chem>	5.141	Class III
173	levetiracetam	<chem>CCC(C(=O)N)N1CCCC1=O</chem>	5.030	Class III
174	levodopa	<chem>C1=CC(=C(C=C1CC(C(=O)O)N)O)O</chem>	4.970	Class III

No.	API	SMILES	LnK ^{est}	BCS*
175	levofloxacin	<chem>CC1COC2=C3N1C=C(C(=O)C3=CC(=C2N4CCN(CC4)C)F)C(=O)O</chem>	4.391	Class III
176	lisinopril	<chem>C1CC(N(C1)C(=O)C(CCCCN)NC(CCC2=CC=CC=C2)C(=O)O)C(=O)O</chem>	5.270	Class III
177	mesalazine	<chem>C1=CC(=C(C=C1N)C(=O)O)O</chem>	4.226	Class III
178	methotrexate	<chem>CN(CC1=CN=C2C(=N1)C(=NC(=N2)N)N)C3=CC=C(C=C3)C(=O)NC(CCC(=O)O)C(=O)O</chem>	4.981	Class III
179	methyldopa	<chem>CC(CC1=CC(=C(C=C1)O)O)(C(=O)O)N</chem>	4.822	Class III
180	methylmethioninesulfonium chloride	<chem>C[S+](C)CCC(C(=O)O)N.[Cl-]</chem>	5.412	Class III
181	modafinil	<chem>C1=CC=C(C=C1)C(C2=CC=CC=C2)S(=O)CC(=O)N</chem>	7.872	Class III
182	neostigmine bromide	<chem>CN(C)C(=O)OC1=CC=CC(=C1)[N+](C)(C)C.[Br-]</chem>	6.387	Class III
183	niacin	<chem>C1=CC(=CN=C1)C(=O)O</chem>	4.504	Class III
184	nicorandil	<chem>C1=CC(=CN=C1)C(=O)NCCO[N+](=O)[O-]</chem>	5.631	Class III
185	nicotinamide	<chem>C1=CC(=CN=C1)C(=O)N</chem>	3.981	Class III
186	nifurtimox	<chem>CC1CS(=O)(=O)CCN1N=CC2=CC=C(O2)[N+](=O)[O-]</chem>	6.819	Class III
187	nilvadipine	<chem>CC1=C(C(C(=C(N1)C#N)C(=O)OC)C2=CC(=CC=C2)[N+](=O)[O-])C(=O)OC(C)C</chem>	5.349	Class III
188	nizatidine	<chem>CNC(=C[N+](=O)[O-])NCCSCC1=CSC(=N1)CN(C)C</chem>	7.075	Class III
189	nystatin	<chem>CC1C=CC=CCCC=CC=CC=CC(=O)CC2C(C(C(C(O2)(CC(C(C(C(C(C(C(=O)OC(C(C1O)C)C)O)O)O)O)O)O)O)C(=O)O)OC3C(C(C(C(O3)C)O)N)O</chem>	5.015	Class III
190	oxcarbazepine	<chem>C1C2=CC=CC=C2N(C3=CC=CC=C3C1=O)C(=O)N</chem>	6.827	Class III
191	pamidronate disodium	<chem>C(CN)C(O)(P(=O)(O)[O-])P(=O)(O)[O-].[Na+].[Na+]</chem>	0.764	Class III
192	penicillamine	<chem>CC(C)(C(C(=O)O)N)S</chem>	4.746	Class III
193	pyrazinamide	<chem>C1=CN=C(C=N1)C(=O)N</chem>	3.775	Class III
194	pyridostigmine bromide	<chem>C[N+]1=CC=CC(=C1)OC(=O)N(C)C.[Br-]</chem>	6.166	Class III

No.	API	SMILES	LnK ^{est}	BCS*
195	ribavirin	<chem>C1=NC(=NN1C2C(C(C(O2)CO)O)O)C(=O)N</chem>	5.353	Class III
196	riboflavin	<chem>CC1=CC2=C(C=C1C)N(C3=NC(=O)NC(=O)C3=N2)CC(C(C(CO)O)O)O</chem>	5.035	Class III
197	risedronate sodium	<chem>C1=CC(=CN=C1)CC(O)(P(=O)(O)O)P(=O)(O)[O-].[Na+]</chem>	5.530	Class III
198	sodium iodide	<chem>[Na+].[I-]</chem>	-2.880	Class III
199	stavudine	<chem>CC1=CN(C(=O)NC1=O)C2C=CC(O2)CO</chem>	5.078	Class III
200	tegafur	<chem>C1CC(OC1)N2C=C(C(=O)NC2=O)F</chem>	4.815	Class III
201	thiamine	<chem>CC1=C(SC=[N+])CC2=CN=C(N=C2N)C)CCO</chem>	5.457	Class III
202	topiramate	<chem>CC1(OC2COC3(C(C2O1)OC(O3)(C)C)COS(=O)(=O)N)C</chem>	4.291	Class III
203	voglibose	<chem>C1C(C(C(C(C1(CO)O)O)O)O)NC(CO)CO</chem>	4.486	Class III
204	zidovudine	<chem>CC1=CN(C(=O)NC1=O)C2CC(C(O2)CO)N=[N+]=[N-]</chem>	5.253	Class III
205	acetaminophen	<chem>CC(=O)NC1=CC=C(C=C1)O</chem>	6.040	Class IV
206	acetazolamide	<chem>CC(=O)NC1=NN=C(S1)S(=O)(=O)N</chem>	4.865	Class IV
207	acetylsalicylic acid	<chem>CC(=O)OC1=CC=CC=C1C(=O)O</chem>	6.830	Class IV
208	allopurinol	<chem>C1=NNC2=C1C(=O)NC=N2</chem>	4.146	Class IV
209	amoxicillin	<chem>CC1(C(N2C(S1)C(C2=O)NC(=O)C(C3=CC=C(C=C3)O)N)C(=O)O)C</chem>	5.050	Class IV
210	azathioprine	<chem>CN1C=NC(=C1SC2=NC=NC3=C2NC=N3)[N+](=O)[O-]</chem>	5.246	Class IV
211	cefdinir	<chem>C=CC1=C(N2C(C(C2=O)NC(=O)C(=NO)C3=CSC(=N3)N)SC1)C(=O)O</chem>	5.048	Class IV
212	cefditoren pivoxil	<chem>CC1=C(SC=N1)C=CC2=C(N3C(C(C3=O)NC(=O)C(=NOC)C4=CSC(=N4)N)SC2)C(=O)OCOC(=O)C(C)(C)C</chem>	6.371	Class IV
213	cefixime	<chem>C=CC1=C(N2C(C(C2=O)NC(=O)C(=NOCC(=O)O)C3=CSC(=N3)N)SC1)C(=O)O</chem>	4.856	Class IV
214	cefpodoxime proxetil	<chem>CC(C)OC(=O)OC(C)OC(=O)C1=C(CSC2N1C(=O)C2NC(=O)C(=NOC)C3=CSC(=N3)N)COC</chem>	4.759	Class IV

No.	API	SMILES	LnK ^{est}	BCS*
215	cefuroxime axetil	<chem>CC(OC(=O)C)OC(=O)C1=C(CSC2N1C(=O)C2NC(=O)C(=NOC)C3=CC=CO3)COC(=O)N</chem>	4.297	Class IV
216	folic acid	<chem>C1=CC(=CC=C1C(=O)NC(CCC(=O)O)C(=O)O)NCC2=CN=C3C(=N2)C(=O)NC(=N3)N</chem>	5.325	Class IV
217	hydrochlorothiazide	<chem>C1NC2=CC(=C(C=C2S(=O)(=O)N1)S(=O)(=O)N)Cl</chem>	5.217	Class IV
218	l-carbocysteine	<chem>C(C(C(=O)O)N)SCC(=O)O</chem>	5.172	Class IV
219	levosulpiride	<chem>CCN1CCCC1CNC(=O)C2=C(C=CC(=C2)S(=O)(=O)N)OC</chem>	5.280	Class IV
220	linezolid	<chem>CC(=O)NCC1CN(C(=O)O1)C2=CC(=C(C=C2)N3CCOCC3)F</chem>	5.191	Class IV
221	metronidazole	<chem>CC1=NC=C(N1CCO)[N+](=O)[O-]</chem>	4.868	Class IV
222	nalidixic acid	<chem>CCN1C=C(C(=O)C2=C1N=C(C=C2)C)C(=O)O</chem>	5.563	Class IV
223	nitrofurantoin	<chem>C1C(=O)NC(=O)N1N=CC2=CC=C(O2)[N+](=O)[O-]</chem>	5.969	Class IV
224	phenobarbital	<chem>CCC1(C(=O)NC(=O)NC1=O)C2=CC=CC=C2</chem>	6.594	Class IV
225	propylthiouracil	<chem>CCCC1=CC(=O)NC(=S)N1</chem>	5.175	Class IV
226	sulfadiazine	<chem>C1=CN=C(N=C1)NS(=O)(=O)C2=CC=C(C=C2)N</chem>	6.007	Class IV
227	sulfamethoxazole	<chem>CC1=CC(=NO1)NS(=O)(=O)C2=CC=C(C=C2)N</chem>	6.720	Class IV
228	theophylline	<chem>CN1C2=C(C(=O)N(C1=O)C)NC=N2</chem>	5.675	Class IV
229	trimethoprim	<chem>COC1=CC(=CC(=C1OC)OC)CC2=CN=C(N=C2N)N</chem>	5.248	Class IV

*Source: Dahan, A.; Wolk, O.; Kim, Y.H.; Ramachandran, C.; Crippen, G.M.; Takagi, T.; Bermejo, M.; Amidon, G.L. Purely in silico BCS classification: Science based quality standards for the world's drugs. Mol. Pharm. 2013, 10, 4378–4390