

List of recommended activities

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The table below shows the list of 1,945 *recommended activities* in **PASS 2020**.

Here, the column "Number" gives the number of compounds with the particular activity in the training set; "IAP" mentions the *Invariant Accuracy of Prediction* calculated by leave-one-out cross-validation procedure. The column "Group" shows an abbreviation of the activity type as follows:

E - Pharmacological Effects, M – Mechanisms of Action, T - Toxic and Adverse Effects, A - Antitargets, Z - Metabolism-Related Actions, G – Gene Expression Regulation, and C – Transporters-Related Actions.

NO	GROUP	NUMBER	IAP	ACTIVITY TYPE
1	M	154	0.9941	1,3-Beta-glucan synthase inhibitor
2	M	689	0.9927	1-Alkyl-2-acetyl-glycerophosphocholine esterase inhibitor
3	M	83	0.9998	1-Deoxy-D-xylulose-5-phosphate reductoisomerase inhibitor
4	M	4281	0.9901	11-Beta-hydroxysteroid dehydrogenase 1 inhibitor
5	MA	347	0.9966	11-Beta-hydroxysteroid dehydrogenase 2 inhibitor
6	M	814	0.9048	12-Lipoxygenase inhibitor
7	M	2362	0.8787	15-Lipoxygenase inhibitor
8	M	314	0.9925	2,3-Oxidosqualene-lanosterol cyclase inhibitor
9	M	270	0.9998	2-Acylglycerol O-acyltransferase 2 inhibitor
10	M	101	0.9932	3 Beta-hydroxy-delta 5-steroid dehydrogenase inhibitor
11	M	68	0.9805	3(or 17)beta-hydroxysteroid dehydrogenase inhibitor
12	M	24	0.9740	3-Hydroxyanthranilate 3,4-dioxygenase inhibitor
13	M	164	0.9884	3-Oxoacyl-[acyl-carrier-protein] synthase inhibitor
14	M	238	0.9971	4-Hydroxyphenylpyruvate dioxygenase inhibitor
15	M	3032	0.9893	5 Hydroxytryptamine 1 agonist
16	M	5798	0.9861	5 Hydroxytryptamine 1 antagonist
17	MA	1628	0.9916	5 Hydroxytryptamine 1A agonist
18	M	4421	0.9882	5 Hydroxytryptamine 1A antagonist
19	MA	133	0.9889	5 Hydroxytryptamine 1B agonist
20	M	1236	0.9893	5 Hydroxytryptamine 1B antagonist
21	M	840	0.9967	5 Hydroxytryptamine 1D agonist
22	M	1190	0.9894	5 Hydroxytryptamine 1D antagonist
23	M	35	0.9068	5 Hydroxytryptamine 1E antagonist
24	M	168	0.9981	5 Hydroxytryptamine 1F agonist
25	M	255	0.9871	5 Hydroxytryptamine 1F antagonist
26	M	2130	0.9915	5 Hydroxytryptamine 2 agonist
27	M	5262	0.9741	5 Hydroxytryptamine 2 antagonist
28	MA	416	0.9873	5 Hydroxytryptamine 2A agonist

NO	GROUP	NUMBER	IAP	ACTIVITY TYPE
29	M	3593	0.9833	5 Hydroxytryptamine 2A antagonist
30	MA	277	0.9880	5 Hydroxytryptamine 2B agonist
31	M	1284	0.9772	5 Hydroxytryptamine 2B antagonist
32	M	1066	0.9934	5 Hydroxytryptamine 2C agonist
33	MA	2032	0.9878	5 Hydroxytryptamine 2C antagonist
34	MA	117	0.9849	5 Hydroxytryptamine 3 agonist
35	M	2119	0.9870	5 Hydroxytryptamine 3 antagonist
36	MA	28	0.9827	5 Hydroxytryptamine 3A agonist
37	M	561	0.9831	5 Hydroxytryptamine 3A antagonist
38	M	294	0.9937	5 Hydroxytryptamine 3B antagonist
39	M	13	0.8536	5 Hydroxytryptamine 3E antagonist
40	MA	676	0.9950	5 Hydroxytryptamine 4 agonist
41	M	657	0.9958	5 Hydroxytryptamine 4 antagonist
42	M	184	0.9862	5 Hydroxytryptamine 5 antagonist
43	M	163	0.9858	5 Hydroxytryptamine 5A antagonist
44	M	166	0.9963	5 Hydroxytryptamine 6 agonist
45	M	1875	0.9931	5 Hydroxytryptamine 6 antagonist
46	M	59	0.9868	5 Hydroxytryptamine 7 agonist
47	M	883	0.9872	5 Hydroxytryptamine 7 antagonist
48	M	6151	0.9844	5 Hydroxytryptamine agonist
49	M	14560	0.9713	5 Hydroxytryptamine antagonist
50	M	38	0.8543	5 Hydroxytryptamine release inhibitor
51	M	22	0.9100	5 Hydroxytryptamine release stimulant
52	MAC	6428	0.9875	5 Hydroxytryptamine uptake inhibitor
53	MC	14	0.8350	5 Hydroxytryptamine uptake stimulant
54	M	788	0.9959	5 Lipoxygenase activating protein inhibitor
55	M	667	0.9959	5-Alpha-reductase 1 inhibitor
56	M	628	0.9941	5-Alpha-reductase 2 inhibitor
57	M	1690	0.9939	5-Alpha-reductase inhibitor
58	M	3768	0.9712	5-Lipoxygenase inhibitor
59	MG	274	0.9605	ABCA1 expression enhancer
60	M	151	0.9890	ADAM10 endopeptidase inhibitor
61	M	89	0.9885	AICAR transformylase inhibitor
62	M	3376	0.9746	ALK inhibitor
63	M	735	0.9724	AMP-activated protein kinase stimulant
64	M	724	0.9970	AMPA 1 receptor antagonist
65	M	468	0.9945	AMPA 2 receptor antagonist
66	M	438	0.9953	AMPA 3 receptor antagonist
67	M	245	0.9912	AMPA 4 receptor antagonist
68	M	235	0.9972	AMPA receptor agonist
69	M	2020	0.9916	AMPA receptor antagonist
70	G	54	0.9205	AR expression inhibitor
71	M	415	0.9888	ATM kinase inhibitor
72	M	86	0.9958	ATP citrate lysase inhibitor
73	M	98	0.9899	ATPase (Vacuolar H+) inhibitor
74	MA	277	0.9452	ATPase inhibitor
75	M	391	0.9889	ATR kinase inhibitor
76	M	1267	0.9724	AXL receptor tyrosine kinase inhibitor
77	M	2761	0.9660	Abl kinase inhibitor
78	T	44	0.9638	Abortion inducer

NO	GROUP	NUMBER	IAP	ACTIVITY TYPE
79	E	53	0.9576	Acaricide
80	M	628	0.9960	Acetyl-CoA carboxylase 1 inhibitor
81	M	1156	0.9981	Acetyl-CoA carboxylase 2 inhibitor
82	M	1330	0.9910	Acetyl-CoA carboxylase inhibitor
83	M	1800	0.9924	Acetyl-CoA transferase 1 inhibitor
84	M	382	0.9829	Acetyl-CoA transferase 2 inhibitor
85	M	3341	0.9893	Acetyl-CoA transferase inhibitor
86	MA	1827	0.9930	Acetylcholine M1 receptor agonist
87	MA	2272	0.9529	Acetylcholine M1 receptor antagonist
88	MA	295	0.9912	Acetylcholine M2 receptor agonist
89	MA	2184	0.9899	Acetylcholine M2 receptor antagonist
90	MA	129	0.9749	Acetylcholine M3 receptor agonist
91	MA	2429	0.9906	Acetylcholine M3 receptor antagonist
92	M	386	0.9975	Acetylcholine M4 receptor agonist
93	M	934	0.9884	Acetylcholine M4 receptor antagonist
94	M	120	0.9918	Acetylcholine M5 receptor agonist
95	M	1030	0.9919	Acetylcholine M5 receptor antagonist
96	M	3722	0.9762	Acetylcholine agonist
97	M	6685	0.9615	Acetylcholine antagonist
98	M	2203	0.9892	Acetylcholine muscarinic agonist
99	M	5041	0.9642	Acetylcholine muscarinic antagonist
100	M	1483	0.9795	Acetylcholine nicotinic agonist
101	M	1717	0.9782	Acetylcholine nicotinic antagonist
102	EM	151	0.9593	Acetylcholine release stimulant
103	MA	7553	0.9603	Acetylcholinesterase inhibitor
104	M	117	0.9965	Acid ceramidase inhibitor
105	M	98	0.9914	Acid-sensing ion channel blocker
106	MA	22	0.9937	Aconitate hydratase inhibitor
107	E	201	0.9727	Actinic keratosis treatment
108	M	299	0.9426	Activin receptor-like kinase 2 inhibitor
109	M	118	0.9509	Activin receptor-like kinase 4 inhibitor
110	E	4765	0.9217	Acute neurologic disorders treatment
111	E	1108	0.9479	Acute respiratory distress syndrome (ARDS) treatment
112	MA	15	0.9959	Acyl-CoA dehydrogenase inhibitor
113	M	23	0.9697	Adenine nucleotide translocase inhibitor
114	MA	678	0.9967	Adenosine A1 receptor agonist
115	M	3947	0.9871	Adenosine A1 receptor antagonist
116	M	818	0.9965	Adenosine A2 receptor agonist
117	M	5467	0.9864	Adenosine A2 receptor antagonist
118	M	483	0.9989	Adenosine A2a receptor agonist
119	MA	3845	0.9872	Adenosine A2a receptor antagonist
120	M	204	0.9947	Adenosine A2b receptor agonist
121	M	1654	0.9898	Adenosine A2b receptor antagonist
122	M	310	0.9952	Adenosine A3 receptor agonist
123	M	1946	0.9798	Adenosine A3 receptor antagonist
124	MA	282	0.9880	Adenosine deaminase inhibitor
125	M	718	0.9929	Adenosine kinase inhibitor
126	MC	63	0.9887	Adenosine uptake inhibitor
127	M	75	0.9867	Adenylate cyclase 1 inhibitor
128	M	43	1.0000	Adenylate cyclase 1 stimulant

NO	GROUP	NUMBER	IAP	ACTIVITY TYPE
129	MA	261	0.9555	Adenylate cyclase inhibitor
130	M	92	0.9579	Adenylate cyclase stimulant
131	MA	26	0.9497	Adenylate kinase inhibitor
132	M	7027	0.9768	Adrenaline agonist
133	M	8132	0.9750	Adrenaline antagonist
134	MAC	3692	0.9893	Adrenaline uptake inhibitor
135	E	116	0.9134	Age-related macular degeneration treatment
136	M	246	0.9912	Aggrecanase 1 inhibitor
137	M	452	0.9985	Aggrecanase 2 inhibitor
138	MA	226	0.9715	Alcohol dehydrogenase inhibitor
139	Z	72	0.9615	Alcohol dehydrogenase substrate
140	M	17	0.9927	Alcohol oxidase inhibitor
141	M	165	0.9547	Aldehyde dehydrogenase inhibitor
142	Z	56	0.9676	Aldehyde dehydrogenase substrate
143	M	31	0.9244	Aldehyde oxidase inhibitor
144	Z	53	0.9276	Aldehyde oxidase substrate
145	M	2510	0.9893	Aldose reductase inhibitor
146	Z	11	0.9758	Aldose reductase substrate
147	MA	226	0.9846	Aldosterone antagonist
148	MA	617	0.9584	Alkaline phosphatase inhibitor
149	M	918	0.9664	Alkylator
150	E	2126	0.9546	Allergic rhinitis treatment
151	M	1067	0.9867	Alpha 1 adrenoreceptor agonist
152	M	4793	0.9818	Alpha 1 adrenoreceptor antagonist
153	M	9	0.9977	Alpha 1L adrenoreceptor agonist
154	M	16	0.9971	Alpha 1L adrenoreceptor antagonist
155	MA	270	0.9955	Alpha 1a adrenoreceptor agonist
156	MA	3872	0.9859	Alpha 1a adrenoreceptor antagonist
157	M	60	0.9749	Alpha 1b adrenoreceptor agonist
158	MA	1670	0.9876	Alpha 1b adrenoreceptor antagonist
159	M	49	0.9984	Alpha 1d adrenoreceptor agonist
160	M	1807	0.9891	Alpha 1d adrenoreceptor antagonist
161	M	1086	0.9865	Alpha 2 adrenoreceptor agonist
162	M	2127	0.9822	Alpha 2 adrenoreceptor antagonist
163	MA	100	0.9937	Alpha 2a adrenoreceptor agonist
164	MA	1070	0.9849	Alpha 2a adrenoreceptor antagonist
165	MA	149	0.9964	Alpha 2b adrenoreceptor agonist
166	M	488	0.9790	Alpha 2b adrenoreceptor antagonist
167	M	241	0.9990	Alpha 2c adrenoreceptor agonist
168	M	637	0.9823	Alpha 2c adrenoreceptor antagonist
169	M	70	0.9973	Alpha 2d adrenoreceptor agonist
170	M	110	0.9710	Alpha 2d adrenoreceptor antagonist
171	M	1924	0.9838	Alpha adrenoreceptor agonist
172	M	6350	0.9755	Alpha adrenoreceptor antagonist
173	M	392	0.9889	Alpha tubulin antagonist
174	M	4	0.9875	Alpha-N-acetylglucosaminidase inhibitor
175	M	6311	0.8595	Alpha-glucosidase inhibitor
176	MA	85	0.9880	Alpha-mannosidase inhibitor
177	E	18032	0.8530	Alzheimer's disease treatment
178	M	808	0.9832	Amidase inhibitor

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179	C	86	0.9902	Amino-acid-polyamine-organocation (APC) transporter antagonist
180	M	697	0.9724	Aminoacyl-tRNA synthetase inhibitor
181	MA	76	0.9989	Aminopeptidase A inhibitor
182	M	60	0.9642	Aminopeptidase B inhibitor
183	M	26	0.9890	Aminopeptidase I inhibitor
184	MA	721	0.9878	Aminopeptidase N inhibitor
185	MA	10	1.0000	Aminopeptidase P inhibitor
186	M	759	0.9824	Aminopeptidase microsomal inhibitor
187	M	124	0.9642	Amylase inhibitor
188	M	1011	0.9415	Amyloid beta aggregation inhibitor
189	M	426	0.9419	Amyloid beta precursor protein antagonist
190	E	1851	0.9152	Amyotrophic lateral sclerosis treatment
191	EM	182	0.9715	Anabolic
192	E	255	0.9118	Analeptic
193	EM	28332	0.8641	Analgesic
194	E	19213	0.8717	Analgesic, non-opioid
195	EM	2799	0.9782	Analgesic, opioid
196	MA	824	0.9849	Androgen agonist
197	MA	2488	0.9750	Androgen antagonist
198	E	89	0.9704	Andropause treatment
199	E	1141	0.9595	Anesthetic
200	EM	195	0.9388	Anesthetic general
201	E	20	0.9906	Anesthetic inhalation
202	EM	538	0.9711	Anesthetic local
203	EM	8627	0.8961	Angiogenesis inhibitor
204	EM	100	0.9492	Angiogenesis stimulant
205	M	5489	0.9933	Angiotensin AT1 receptor antagonist
206	M	1619	0.9982	Angiotensin AT1A receptor antagonist
207	M	977	0.9989	Angiotensin AT1B receptor antagonist
208	M	22	0.9995	Angiotensin AT2 receptor agonist
209	M	1645	0.9976	Angiotensin AT2 receptor antagonist
210	M	6277	0.9938	Angiotensin II receptor antagonist
211	M	168	0.9995	Angiotensin-converting enzyme 2 inhibitor
212	M	1883	0.9879	Angiotensin-converting enzyme inhibitor
213	E	593	0.9745	Ankylosing spondylitis treatment
214	E	2225	0.9619	Antiacne
215	M	8203	0.9741	Antiadrenergic
216	E	394	0.9358	Antialcoholic
217	E	13453	0.8968	Antiallergic
218	EM	2509	0.9319	Antiamyloidogenic
219	E	1141	0.9566	Antianemic
220	E	3172	0.9437	Antianginal
221	E	133	0.9571	Antianorexic
222	E	3851	0.9360	Antiarrhythmic
223	E	16926	0.8593	Antiarthritic
224	E	17268	0.8817	Antiasthmatic
225	EM	37217	0.8756	Antibacterial
226	EM	556	0.9646	Antibacterial (Helicobacter pylori)
227	E	8021	0.9804	Antibiotic
228	EM	91	0.9857	Antibiotic Aminoglycoside-like

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229	EM	72	0.9966	Antibiotic Anthracycline-like
230	E	83	0.9999	Antibiotic Carbacephem-like
231	E	750	0.9999	Antibiotic Carbapenem-like
232	E	1294	0.9991	Antibiotic Cephalosporin-like
233	E	38	0.9878	Antibiotic Glycopeptide-like
234	EM	981	0.9989	Antibiotic Macrolide-like
235	E	52	0.9807	Antibiotic Naphthyridine-like
236	E	160	0.9996	Antibiotic Oxazolidinone-like
237	E	140	0.9997	Antibiotic Penem-like
238	EM	141	1.0000	Antibiotic Penicillin-like
239	E	489	0.9948	Antibiotic Quinolone-like
240	EM	64	1.0000	Antibiotic Rifamycin-like
241	EM	34	0.9928	Antibiotic Tetracycline-like
242	E	58	1.0000	Antibiotic Tribactam-like
243	E	11	0.9999	Antibiotic Trimethoprim-like
244	E	2736	0.9987	Antibiotic beta Lactam-like
245	E	594	0.9710	Anticataract
246	E	126	0.9718	Anticholelithogenic
247	EM	7178	0.9466	Anticoagulant
248	EM	4315	0.9321	Anticonvulsant
249	E	16916	0.9026	Antidepressant
250	E	37286	0.8552	Antidiabetic
251	E	619	0.9329	Antidiabetic (type 1)
252	E	9946	0.9140	Antidiabetic (type 2)
253	E	3354	0.9207	Antidiabetic symptomatic
254	E	513	0.9423	Antidiarrheal
255	M	434	0.9935	Antidiuretic hormone agonist
256	M	2270	0.9937	Antidiuretic hormone antagonist
257	E	304	0.9522	Antidote
258	E	148	0.9916	Antidote, heavy metal
259	E	3	0.9919	Antidote, mercury
260	E	6	0.8831	Antidote, organophosphates
261	E	154	0.9350	Antieczematic
262	E	1949	0.9310	Antieczematic atopic
263	E	1789	0.9685	Antiemetic
264	E	726	0.9799	Antiemphysemic
265	E	6112	0.9127	Antiepileptic
266	E	463	0.9686	Antifibrinolytic
267	E	9513	0.9100	Antifungal
268	E	192	0.9600	Antifungal (Aspergillus)
269	E	350	0.9574	Antifungal (Candida)
270	E	48	0.9333	Antifungal (Cryptococcus)
271	E	15	0.9148	Antifungal (Pneumocystis)
272	E	67	0.9308	Antifungal enhancer
273	E	4505	0.9318	Antiglaucomic
274	E	1424	0.9438	Antihelmintic
275	E	12	0.9839	Antihelmintic (Fasciola)
276	E	188	0.9573	Antihelmintic (Nematodes)
277	E	61	0.9984	Antihelmintic (Trematoda)
278	E	55	0.9618	Antihemophilic

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279	E	28	0.9797	Antihemorrhagic
280	M	7472	0.9722	Antihistaminic
281	E	294	0.9948	Antihyperaldosteronism
282	E	313	0.9173	Antihypercholesterolemic
283	E	128	0.9534	Antihyperlipoproteinemic
284	E	116	0.9733	Antihypermotility
285	E	18489	0.9020	Antihypertensive
286	E	648	0.9209	Antihypertriglyceridemic
287	E	71	0.9379	Antihypotensive
288	E	110	0.8903	Antihypoxic
289	E	234	0.9630	Antiinfertility, female
290	EM	32827	0.8246	Antiinflammatory
291	E	5727	0.9137	Antiischemic
292	E	1908	0.9402	Antiischemic, cerebral
293	E	143	0.9604	Antileprosy
294	E	5777	0.9268	Antileukemic
295	EM	901	0.9906	Antimetabolite
296	E	3128	0.9439	Antimigraine
297	EM	6661	0.9337	Antimitotic
298	E	40	0.9702	Antimutagenic
299	E	6543	0.9048	Antimycobacterial
300	E	142	0.9843	Antimycoplasmal
301	E	441	0.8756	Antineoplastic (bladder cancer)
302	E	180	0.9318	Antineoplastic (bone cancer)
303	E	1137	0.8899	Antineoplastic (brain cancer)
304	E	7086	0.9004	Antineoplastic (breast cancer)
305	E	2241	0.9554	Antineoplastic (carcinoma)
306	E	2211	0.9494	Antineoplastic (cervical cancer)
307	E	5490	0.9501	Antineoplastic (colon cancer)
308	E	6207	0.9282	Antineoplastic (colorectal cancer)
309	E	336	0.8930	Antineoplastic (endocrine cancer)
310	E	878	0.9170	Antineoplastic (gastric cancer)
311	E	354	0.9194	Antineoplastic (glioblastoma multiforme)
312	E	529	0.9252	Antineoplastic (glioma)
313	E	44	0.9999	Antineoplastic (insulinoma)
314	E	864	0.9012	Antineoplastic (liver cancer)
315	E	3491	0.9261	Antineoplastic (lung cancer)
316	E	2973	0.9529	Antineoplastic (lymphocytic leukemia)
317	E	1334	0.9240	Antineoplastic (lymphoma)
318	E	2069	0.9158	Antineoplastic (melanoma)
319	E	495	0.8781	Antineoplastic (multiple myeloma)
320	E	656	0.8469	Antineoplastic (myeloid leukemia)
321	E	330	0.8815	Antineoplastic (non-Hodgkin's lymphoma)
322	E	1330	0.8855	Antineoplastic (non-small cell lung cancer)
323	E	115	0.8616	Antineoplastic (osteosarcoma)
324	E	2258	0.9339	Antineoplastic (ovarian cancer)
325	E	618	0.8529	Antineoplastic (pancreatic cancer)
326	E	614	0.8871	Antineoplastic (renal cancer)
327	E	404	0.8880	Antineoplastic (sarcoma)
328	E	255	0.8536	Antineoplastic (small cell lung cancer)

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329	E	1141	0.8335	Antineoplastic (solid tumors)
330	E	1276	0.9561	Antineoplastic (squamous cell carcinoma)
331	E	130	0.8531	Antineoplastic (thyroid cancer)
332	E	139	0.9417	Antineoplastic (uterine cancer)
333	EM	86	0.9711	Antineoplastic alkaloid
334	EM	2657	0.9821	Antineoplastic antibiotic
335	E	176	0.9495	Antineoplastic antimetabolite
336	E	1651	0.9139	Antineoplastic enhancer
337	E	125	0.9745	Antineoplastic, alkylator
338	E	609	0.9370	Antinephritic
339	E	2882	0.9139	Antineurogenic pain
340	EM	19141	0.8838	Antiobesity
341	E	6629	0.9199	Antiosteoporotic
342	EM	4204	0.9209	Antioxidant
343	E	1734	0.9346	Antiparasitic
344	E	10733	0.8671	Antiparkinsonian
345	E	37	0.9481	Antiparkinsonian, rigidity relieving
346	E	114	0.9578	Antiparkinsonian, tremor relieving
347	E	32792	0.8758	Antiprotozoal
348	E	440	0.9528	Antiprotozoal (Amoeba)
349	E	5	0.9779	Antiprotozoal (Babesia)
350	E	255	0.9406	Antiprotozoal (Coccidial)
351	E	8	0.9988	Antiprotozoal (Histomonas)
352	E	3088	0.9310	Antiprotozoal (Leishmania)
353	E	23392	0.8861	Antiprotozoal (Plasmodium)
354	E	337	0.9654	Antiprotozoal (Toxoplasma)
355	E	295	0.9561	Antiprotozoal (Trichomonas)
356	E	6750	0.9206	Antiprotozoal (Trypanosoma)
357	E	11	0.9447	Antiprotozoal activity enhancer
358	EM	1007	0.9375	Antipruritic
359	E	161	0.8687	Antipruritic, allergic
360	E	75	0.9440	Antipruritic, non-allergic
361	E	8857	0.9068	Antipsoriatic
362	E	17161	0.9140	Antipsychotic
363	E	651	0.9281	Antipyretic
364	E	19	0.9521	Antirickettsial
365	E	51	0.9776	Antischistosomal
366	E	209	0.9582	Antiseptic
367	E	376	0.9598	Antismoking
368	E	36	0.9699	Antispirochetal
369	E	392	0.9631	Antithrombocytopenic
370	EM	654	0.8945	Antithrombotic
371	E	12	0.9411	Antitreponemal
372	E	5106	0.9122	Antituberculosic
373	E	740	0.9630	Antitussive
374	E	2589	0.9300	Antiulcerative
375	E	313	0.9866	Antiviral (Bovine viral diarrhea virus)
376	EC	246	0.9363	Antiviral (CMV)
377	E	25830	0.9322	Antiviral (HIV)
378	E	2530	0.9618	Antiviral (Hepatitis B)

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379	E	11876	0.9507	Antiviral (Hepatitis C)
380	E	14887	0.9410	Antiviral (Hepatitis)
381	E	1658	0.9561	Antiviral (Herpes)
382	E	284	0.9891	Antiviral (Herpesvirus 3, Human)
383	E	954	0.9521	Antiviral (Influenza A)
384	E	139	0.9614	Antiviral (Influenza B)
385	E	2176	0.9385	Antiviral (Influenza)
386	E	167	0.9617	Antiviral (Papilloma)
387	E	14	0.9995	Antiviral (Parainfluenza)
388	E	103	0.9671	Antiviral (Poxvirus)
389	E	585	0.9644	Antiviral (RSV)
390	E	407	0.9692	Antiviral (Rhinovirus)
391	E	12	0.9906	Antiviral (Trachoma)
392	E	15271	0.9070	Anxiolytic
393	C	246	0.9978	Apical sodium codependent bile acid transporter inhibitor
394	M	225	0.9957	Apolipoprotein B inhibitor
395	M	92	0.9984	Apolipoprotein B-100 inhibitor
396	EM	10358	0.8469	Apoptosis agonist
397	EM	948	0.8883	Apoptosis antagonist
398	M	99	0.9547	Arachidonic acid antagonist
399	MA	171	0.9977	Arginase inhibitor
400	MA	21	0.9934	Argininosuccinate synthase inhibitor
401	M	2431	0.9882	Aromatase inhibitor
402	MA	165	0.9326	Aryl hydrocarbon receptor agonist
403	M	226	0.9830	Aryl hydrocarbon receptor antagonist
404	Z	108	0.9813	Arylamine N-Acetyltransferase substrate
405	E	10763	0.8753	Atherosclerosis treatment
406	E	2565	0.9622	Attention deficit/hyperactivity disorder treatment
407	M	6614	0.9708	Aurora-A kinase inhibitor
408	M	4364	0.9664	Aurora-B kinase inhibitor
409	M	267	0.9639	Aurora-C kinase inhibitor
410	E	596	0.9710	Autism spectrum disorders treatment
411	E	28178	0.8482	Autoimmune disorders treatment
412	M	521	0.9809	Autotaxin inhibitor
413	M	303	0.9953	Baculoviral IAP repeat-containing protein 2 inhibitor
414	M	186	0.9931	Baculoviral IAP repeat-containing protein 3 inhibitor
415	M	214	0.9907	Baculoviral IAP repeat-containing protein 4 inhibitor
416	M	987	0.9859	Baculoviral IAP repeat-containing protein inhibitor
417	M	253	0.9772	Bcl-xL inhibitor
418	M	1332	0.9804	Bcl2 antagonist
419	M	599	0.9781	Bcr-Abl kinase inhibitor
420	M	475	0.9845	Benzodiazepine agonist
421	M	557	0.9909	Benzodiazepine antagonist
422	M	69	0.9902	Benzodiazepine inverse agonist
423	M	501	0.9956	Benzodiazepine receptor peripheral-type antagonist
424	MA	815	0.9957	Beta 1 adrenoceptor agonist
425	MA	925	0.9890	Beta 1 adrenoceptor antagonist
426	MA	2622	0.9782	Beta 2 adrenoceptor agonist
427	MA	1055	0.9905	Beta 2 adrenoceptor antagonist
428	M	2581	0.9985	Beta 3 adrenoceptor agonist

NO	GROUP	NUMBER	IAP	ACTIVITY TYPE
429	M	300	0.9891	Beta 3 adrenoreceptor antagonist
430	M	5149	0.9847	Beta adrenoreceptor agonist
431	M	1931	0.9856	Beta adrenoreceptor antagonist
432	M	1084	0.9645	Beta amyloid protein antagonist
433	M	177	0.9593	Beta glucuronidase inhibitor
434	M	32395	0.8734	Beta lactamase inhibitor
435	M	819	0.9914	Beta tubulin antagonist
436	M	121	0.9652	Bile acid receptor antagonist
437	M	11	0.9965	Biliverdin reductase inhibitor
438	E	1332	0.9647	Bipolar disorder treatment
439	M	5	0.9998	Bombesin 1 receptor agonist
440	M	30	0.9986	Bombesin 1 receptor antagonist
441	M	34	0.9494	Bombesin 2 receptor antagonist
442	M	348	0.9984	Bombesin 3 receptor agonist
443	M	13	0.9490	Bombesin 3 receptor antagonist
444	M	353	0.9983	Bombesin agonist
445	M	186	0.9819	Bombesin antagonist
446	E	8332	0.9060	Bone diseases treatment
447	EM	1087	0.9564	Bone formation stimulant
448	M	374	0.9999	Bone morphogenic protein 1 inhibitor
449	M	272	0.9812	Botulinum neurotoxin type A inhibitor
450	MA	8	1.0000	Bradykinin B1 receptor agonist
451	M	1450	0.9968	Bradykinin B1 receptor antagonist
452	MA	9	0.9999	Bradykinin B2 receptor agonist
453	M	690	0.9981	Bradykinin B2 receptor antagonist
454	M	2240	0.9943	Bradykinin antagonist
455	M	209	0.9719	Breast cancer-resistant protein inhibitor
456	M	265	0.9566	Bromodomain-containing protein 2 inhibitor
457	M	200	0.9897	Bromodomain-containing protein 3 inhibitor
458	M	2000	0.9855	Bromodomain-containing protein 4 inhibitor
459	EM	2758	0.9703	Bronchodilator
460	M	3962	0.9860	Bruton tyrosine kinase inhibitor
461	E	141	0.9935	Bulimia treatment
462	MA	3807	0.9728	Butyrylcholinesterase inhibitor
463	M	578	0.9954	CC chemokine 1 receptor antagonist
464	M	76	0.9914	CC chemokine 10 receptor antagonist
465	M	1406	0.9907	CC chemokine 2 receptor antagonist
466	M	783	0.9895	CC chemokine 3 receptor antagonist
467	M	354	0.9857	CC chemokine 4 receptor antagonist
468	M	29	0.9809	CC chemokine 5 receptor agonist
469	M	1624	0.9910	CC chemokine 5 receptor antagonist
470	M	29	1.0000	CC chemokine 6 receptor agonist
471	M	47	0.9098	CC chemokine 6 receptor antagonist
472	M	105	0.9775	CC chemokine 8 receptor antagonist
473	M	392	0.9971	CC chemokine 9 receptor antagonist
474	M	42	0.9951	CC chemokine receptor 2B antagonist
475	M	6461	0.9814	CC chemokine receptor antagonist
476	M	128	0.9807	CD45 antagonist
477	M	81	1.0000	CD80 antagonist
478	M	604	0.9534	CDC-like kinase 1 inhibitor

NO	GROUP	NUMBER	IAP	ACTIVITY TYPE
479	M	675	0.9536	CDC-like kinase 2 inhibitor
480	M	138	0.9574	CDC-like kinase 3 inhibitor
481	M	1135	0.9481	CDC-like kinase 4 inhibitor
482	M	183	0.9817	CDC25A inhibitor
483	M	333	0.9839	CDC25B inhibitor
484	M	779	0.9836	CDC7 inhibitor
485	M	11803	0.9747	CDK/cyclin complex inhibitor
486	M	3707	0.9858	CDK1/cyclin B inhibitor
487	M	292	0.9829	CDK1/cyclin B1 inhibitor
488	M	3949	0.9743	CDK2/cyclin A inhibitor
489	M	318	0.9974	CDK2/cyclin A3 inhibitor
490	M	3828	0.9894	CDK2/cyclin E inhibitor
491	M	332	0.9743	CDK2/cyclin E2 inhibitor
492	M	109	0.9707	CDK3/cyclin E inhibitor
493	M	4782	0.9894	CDK4/cyclin D inhibitor
494	M	3411	0.9898	CDK4/cyclin D1 inhibitor
495	M	612	0.9968	CDK4/cyclin D3 inhibitor
496	M	1226	0.9916	CDK5/p25 inhibitor
497	M	839	0.9934	CDK6/cyclin D3 inhibitor
498	M	393	0.9880	CDK7/cyclin H inhibitor
499	M	1049	0.9888	CDK9/cyclin T1 inhibitor
500	M	50	0.9458	CF transmembrane conductance regulator agonist
501	M	379	0.9903	CF transmembrane conductance regulator antagonist
502	E	140	0.9745	CNS active muscle relaxant
503	G	36	0.8740	CTGF expression inhibitor
504	M	179	0.9848	CXC chemokine 1 receptor antagonist
505	M	654	0.9950	CXC chemokine 2 receptor antagonist
506	M	8	1.0000	CXC chemokine 3 receptor agonist
507	M	658	0.9965	CXC chemokine 3 receptor antagonist
508	M	104	0.9998	CXC chemokine 4 receptor agonist
509	M	711	0.9850	CXC chemokine 4 receptor antagonist
510	M	368	0.9948	CXC chemokine 5 receptor antagonist
511	M	252	0.9992	CXC chemokine receptor agonist
512	M	3310	0.9855	CXC chemokine receptor antagonist
513	AZ	1121	0.9078	CYP1A2 inhibitor
514	Z	504	0.8965	CYP1A2 substrate
515	MZ	68	0.9990	CYP24 inhibitor
516	MZ	203	0.9795	CYP2A6 inhibitor
517	Z	131	0.9183	CYP2B6 inhibitor
518	Z	3293	0.8772	CYP2C19 inhibitor
519	Z	300	0.8907	CYP2C19 substrate
520	AZ	3757	0.8778	CYP2C9 inhibitor
521	Z	382	0.8849	CYP2C9 substrate
522	AZ	3782	0.9030	CYP2D6 inhibitor
523	Z	476	0.8994	CYP2D6 substrate
524	AZ	7642	0.8943	CYP3A4 inhibitor
525	Z	933	0.8827	CYP3A4 substrate
526	M	607	0.9733	Ca(v)2.2 blocker
527	M	87	0.9775	Ca(v)3.1 blocker
528	M	163	0.9842	Ca(v)3.2 blocker

NO	GROUP	NUMBER	IAP	ACTIVITY TYPE
529	M	12	0.9218	Ca(v)3.3 blocker
530	MA	12	0.8804	Ca ²⁺ -transporting ATPase inhibitor
531	M	110	0.9275	Ca ²⁺ /calmodulin-dependent kinase I alpha inhibitor
532	M	159	0.9083	Ca ²⁺ /calmodulin-dependent kinase II alpha inhibitor
533	M	269	0.9341	Ca ²⁺ /calmodulin-dependent kinase II beta inhibitor
534	M	458	0.9566	Ca ²⁺ /calmodulin-dependent kinase II delta inhibitor
535	M	297	0.9518	Ca ²⁺ /calmodulin-dependent kinase II gamma inhibitor
536	M	46	0.8351	Ca ²⁺ /calmodulin-dependent kinase IV inhibitor
537	M	868	0.9340	Ca ²⁺ /calmodulin-dependent protein kinase inhibitor
538	M	9	0.8851	Ca ²⁺ /calmodulin-dependent protein kinase kinase A inhibitor
539	M	119	0.9262	Ca ²⁺ /calmodulin-dependent protein kinase kinase B inhibitor
540	E	507	0.9658	Cachexia treatment
541	M	13	0.9998	Calcineurin inhibitor
542	M	502	0.9966	Calcitonin gene-related peptide 1 receptor antagonist
543	M	1227	0.9970	Calcitonin gene-related peptide antagonist
544	M	17	0.9626	Calcitonin receptor agonist
545	M	139	0.9796	Calcium antagonist
546	M	6391	0.9615	Calcium channel (voltage-sensitive) blocker
547	M	10	0.9020	Calcium channel L-type activator
548	MA	2554	0.9779	Calcium channel L-type blocker
549	M	2882	0.9586	Calcium channel N-type blocker
550	M	30	0.9385	Calcium channel P-type blocker
551	M	1746	0.9872	Calcium channel T-type blocker
552	M	82	0.8815	Calcium channel activator
553	M	8719	0.9560	Calcium channel blocker
554	M	922	0.9926	Calcium release-activated channel blocker
555	M	115	0.9996	Calcium-dependent phospholipase A2 inhibitor
556	M	63	0.9995	Calcium-independent phospholipase A2 inhibitor
557	M	299	0.9982	Calcium-sensing receptor agonist
558	M	429	0.9965	Calcium-sensing receptor antagonist
559	M	934	0.9961	Calpain 1 inhibitor
560	M	772	0.8903	Calpain 2 inhibitor
561	M	1563	0.9249	Calpain inhibitor
562	M	2446	0.9879	Cannabinoid CB1 receptor agonist
563	MA	3422	0.9839	Cannabinoid CB1 receptor antagonist
564	M	3472	0.9894	Cannabinoid CB2 receptor agonist
565	MA	1468	0.9907	Cannabinoid CB2 receptor antagonist
566	M	5146	0.9858	Cannabinoid receptor agonist
567	M	4251	0.9827	Cannabinoid receptor antagonist
568	EM	16	0.9945	Carbamoyl phosphate synthetase inhibitor
569	MA	4581	0.9904	Carbonic anhydrase I inhibitor
570	M	71	0.9964	Carbonic anhydrase I stimulant
571	MA	5621	0.9903	Carbonic anhydrase II inhibitor
572	M	73	0.9902	Carbonic anhydrase II stimulant
573	M	122	0.9635	Carbonic anhydrase III inhibitor
574	M	1601	0.9932	Carbonic anhydrase IV inhibitor
575	M	50	0.9999	Carbonic anhydrase IV stimulant
576	M	3727	0.9909	Carbonic anhydrase IX inhibitor
577	M	350	0.9877	Carbonic anhydrase V inhibitor
578	M	321	0.9861	Carbonic anhydrase VA inhibitor

NO	GROUP	NUMBER	IAP	ACTIVITY TYPE
579	M	232	0.9882	Carbonic anhydrase VB inhibitor
580	M	210	0.9708	Carbonic anhydrase VI inhibitor
581	M	731	0.9897	Carbonic anhydrase VII inhibitor
582	M	14	1.0000	Carbonic anhydrase VIII inhibitor
583	M	14	1.0000	Carbonic anhydrase X inhibitor
584	M	26	1.0000	Carbonic anhydrase XI inhibitor
585	M	2855	0.9907	Carbonic anhydrase XII inhibitor
586	M	204	0.9773	Carbonic anhydrase XIII inhibitor
587	M	528	0.9882	Carbonic anhydrase XIV inhibitor
588	M	95	0.9627	Carbonic anhydrase XV inhibitor
589	MA	6774	0.9880	Carbonic anhydrase inhibitor
590	M	100	0.9889	Carbonic anhydrase stimulant
591	M	243	0.9900	Carboxypeptidase B inhibitor
592	M	204	0.9994	Carboxypeptidase B2 inhibitor
593	T	2474	0.9328	Carcinogenic
594	T	23	0.8825	Carcinogenic, group 1
595	T	36	0.9662	Carcinogenic, group 2A
596	T	194	0.9703	Carcinogenic, group 2B
597	T	386	0.9609	Carcinogenic, group 3
598	T	165	0.9406	Cardiodepressant
599	E	406	0.8910	Cardioprotectant
600	EM	8109	0.9156	Cardiotonic
601	E	19	0.9410	Cardiovascular analeptic
602	M	527	0.9936	Carnitine palmitoyltransferase 1 inhibitor
603	M	519	0.9964	Carnitine palmitoyltransferase 1A inhibitor
604	M	176	0.9894	Carnitine palmitoyltransferase 1B inhibitor
605	M	541	0.9939	Carnitine palmitoyltransferase inhibitor
606	M	39	0.9990	Caspase 2 inhibitor
607	M	1384	0.9647	Caspase 3 inhibitor
608	M	332	0.8851	Caspase 3 stimulant
609	M	243	0.9946	Caspase 6 inhibitor
610	M	1007	0.9746	Caspase 7 inhibitor
611	M	379	0.9945	Caspase 8 inhibitor
612	M	50	0.9715	Caspase 9 inhibitor
613	M	85	0.8356	Caspase 9 stimulant
614	MA	74	0.9891	Catalase inhibitor
615	M	383	0.9968	Catechol O-methyltransferase inhibitor
616	M	107	0.9108	Catenin beta inhibitor
617	M	1472	0.9836	Cathepsin B inhibitor
618	M	1337	0.9835	Cathepsin D inhibitor
619	M	97	0.9640	Cathepsin E inhibitor
620	M	67	0.9932	Cathepsin F inhibitor
621	M	130	0.9701	Cathepsin G inhibitor
622	M	55	0.9641	Cathepsin H inhibitor
623	M	2213	0.9934	Cathepsin K inhibitor
624	M	1879	0.9869	Cathepsin L inhibitor
625	M	1379	0.9928	Cathepsin L1 inhibitor
626	M	135	0.9963	Cathepsin L2 inhibitor
627	M	2335	0.9969	Cathepsin S inhibitor
628	EM	1010	0.9565	Cell adhesion inhibitor

NO	GROUP	NUMBER	IAP	ACTIVITY TYPE
629	EM	622	0.9700	Cell adhesion molecule inhibitor
630	EM	814	0.9449	Cell wall synthesis inhibitor
631	M	107	0.9887	Ceramide glucosyltransferase inhibitor
632	M	3340	0.9811	Check point kinase 1 inhibitor
633	M	927	0.9742	Check point kinase 2 inhibitor
634	M	635	0.9622	Chelator
635	M	357	0.9855	Chemokine receptor agonist
636	M	9456	0.9758	Chemokine receptor antagonist
637	E	471	0.9433	Chemopreventive
638	E	240	0.9209	Chemoprotective
639	M	262	0.9965	Cholecystokinin A agonist
640	M	1731	0.9949	Cholecystokinin A antagonist
641	M	31	0.9890	Cholecystokinin B agonist
642	M	2022	0.9961	Cholecystokinin B antagonist
643	M	293	0.9965	Cholecystokinin agonist
644	M	2764	0.9939	Cholecystokinin antagonist
645	E	335	0.9663	Choleretic
646	E	221	0.9743	Cholesterol absorption inhibitor
647	M	123	0.8952	Cholesterol antagonist
648	M	1321	0.9942	Cholesterol ester transfer protein antagonist
649	M	421	0.9944	Cholesterol esterase inhibitor
650	EM	132	0.9659	Cholesterol synthesis inhibitor
651	M	11566	0.9502	Cholinergic
652	M	6851	0.9603	Cholinergic antagonist
653	E	119	0.9387	Chronic obstructive bronchitis treatment
654	E	8838	0.9193	Chronic obstructive pulmonary disease treatment
655	M	429	0.9728	Chymotrypsin inhibitor
656	M	1657	0.9435	Clk dual-specificity kinase inhibitor
657	E	30	0.9762	Coagulant
658	E	92	0.9736	Cocaine dependence treatment
659	E	15984	0.8840	Cognition disorders treatment
660	M	3202	0.9849	Collagenase 3 inhibitor
661	M	1085	0.9906	Collagenase inhibitor
662	M	110	0.9972	Complement C3a chemotactic receptor antagonist
663	M	469	0.9971	Complement C5a chemotactic receptor antagonist
664	M	128	0.9990	Complement factor 1 inhibitor
665	M	47	0.9922	Complement factor 1r inhibitor
666	M	84	0.9973	Complement factor 1s inhibitor
667	M	1098	0.9988	Complement factor D inhibitor
668	E	250	0.9554	Constipation treatment
669	E	1393	0.9567	Contraceptive
670	E	184	0.9585	Contraceptive female
671	E	349	0.9670	Contraceptive male
672	E	21	0.9873	Corneal wound healing stimulator
673	M	126	0.9995	Corticosteroid-like
674	M	1359	0.9984	Corticotropin releasing factor 1 receptor antagonist
675	M	54	0.9786	Corticotropin releasing factor 2 receptor antagonist
676	M	98	0.9883	Corticotropin releasing factor antagonist
677	M	30	0.9789	Creatine kinase inhibitor
678	E	340	0.9791	Cushing's syndrome treatment

NO	GROUP	NUMBER	IAP	ACTIVITY TYPE
679	M	235	0.9166	Cyclic AMP phosphodiesterase inhibitor
680	M	1604	0.9870	Cyclin A inhibitor
681	M	509	0.9869	Cyclin A1 inhibitor
682	M	1441	0.9866	Cyclin A2 inhibitor
683	M	449	0.9885	Cyclin B inhibitor
684	M	400	0.9871	Cyclin B1 inhibitor
685	M	390	0.9898	Cyclin B2 inhibitor
686	M	192	0.9833	Cyclin B3 inhibitor
687	M	217	0.9846	Cyclin D1 inhibitor
688	M	140	0.9946	Cyclin D2 inhibitor
689	M	340	0.9929	Cyclin D3 inhibitor
690	M	1486	0.9898	Cyclin E inhibitor
691	M	1329	0.9903	Cyclin E1 inhibitor
692	M	747	0.9961	Cyclin E2 inhibitor
693	M	147	0.9840	Cyclin H inhibitor
694	M	26	0.9956	Cyclin T1 inhibitor
695	M	2542	0.9735	Cyclin-dependent kinase 1 inhibitor
696	M	4066	0.9686	Cyclin-dependent kinase 2 inhibitor
697	M	42	0.9476	Cyclin-dependent kinase 3 inhibitor
698	M	2439	0.9837	Cyclin-dependent kinase 4 inhibitor
699	M	1268	0.9686	Cyclin-dependent kinase 5 inhibitor
700	M	588	0.9835	Cyclin-dependent kinase 6 inhibitor
701	M	460	0.9579	Cyclin-dependent kinase 7 inhibitor
702	M	516	0.9409	Cyclin-dependent kinase 8 inhibitor
703	M	914	0.9688	Cyclin-dependent kinase 9 inhibitor
704	M	9117	0.9598	Cyclin-dependent kinase inhibitor
705	MA	2961	0.9622	Cyclooxygenase 1 inhibitor
706	MA	6297	0.9626	Cyclooxygenase 2 inhibitor
707	M	79	0.9937	Cyclooxygenase 3 inhibitor
708	MA	8193	0.9552	Cyclooxygenase inhibitor
709	M	147	0.9952	Cyclophilin A inhibitor
710	M	37286	0.8552	Cyclophilin D inhibitor
711	MA	30	0.9791	Cystathionine beta-synthase inhibitor
712	E	1770	0.9450	Cystic fibrosis treatment
713	M	549	0.9498	Cytidine deaminase inhibitor
714	M	812	0.9551	Cytokine production inhibitor
715	M	275	0.9892	Cytokine production stimulant
716	E	332	0.9283	Cytostatic
717	T	956	0.9406	Cytotoxic
718	M	10	0.9769	D-Ala-D-Ala ligase inhibitor
719	MT	983	0.9228	DNA damaging
720	M	5898	0.8538	DNA directed DNA polymerase inhibitor
721	M	3175	0.9671	DNA directed RNA polymerase inhibitor
722	M	1234	0.9889	DNA gyrase inhibitor
723	M	93	0.9891	DNA gyrase subunit A inhibitor
724	M	938	0.9950	DNA gyrase subunit B inhibitor
725	M	41	0.9789	DNA helicase inhibitor
726	EM	1021	0.9693	DNA intercalator
727	M	445	0.9381	DNA methylase inhibitor
728	M	375	0.9412	DNA methyltransferase I inhibitor

NO	GROUP	NUMBER	IAP	ACTIVITY TYPE
729	M	58	0.9645	DNA polymerase I inhibitor
730	M	183	0.9954	DNA polymerase III inhibitor
731	M	119	0.9961	DNA polymerase III polC-type inhibitor
732	M	40	1.0000	DNA polymerase III subunit alpha inhibitor
733	MA	5270	0.8565	DNA polymerase beta inhibitor
734	M	329	0.9461	DNA repair enzyme inhibitor
735	EM	306	0.9145	DNA synthesis inhibitor
736	M	16	0.9999	DNA topoisomerase III inhibitor
737	M	183	0.9905	DNA topoisomerase IV inhibitor
738	M	1058	0.9906	DNA-dependent protein kinase inhibitor
739	MA	26	0.9715	DOPA decarboxylase inhibitor
740	M	41	0.9466	Death-associated protein kinase 1 inhibitor
741	M	25	0.9614	Death-associated protein kinase 2 inhibitor
742	M	360	0.9374	Death-associated protein kinase 3 inhibitor
743	M	514	0.9929	Delayed rectifier potassium channel activator
744	M	71	0.9968	Delayed rectifier potassium channel blocker
745	E	281	0.9741	Dementia treatment
746	E	4023	0.9333	Dependence treatment
747	E	852	0.9440	Diabetic nephropathy treatment
748	E	1114	0.9418	Diabetic retinopathy treatment
749	M	1434	0.9963	Diacylglycerol O-acyltransferase 1 inhibitor
750	M	1544	0.9894	Diacylglycerol O-acyltransferase inhibitor
751	MA	228	0.9961	Diamine oxidase inhibitor
752	MA	3055	0.9901	Dihydrofolate reductase inhibitor
753	M	64	0.9947	Dihydroorotase inhibitor
754	M	1004	0.9891	Dihydroorotate dehydrogenase inhibitor
755	M	84	0.9876	Dihydroorotate oxidase inhibitor
756	M	90	0.9967	Dihydroopteroate synthase inhibitor
757	M	754	0.9967	Dipeptidyl peptidase I inhibitor
758	M	470	0.9925	Dipeptidyl peptidase II inhibitor
759	MA	4736	0.9871	Dipeptidyl peptidase IV inhibitor
760	M	413	0.9989	Dipeptidyl peptidase IX inhibitor
761	M	523	0.9968	Dipeptidyl peptidase VIII inhibitor
762	M	5665	0.9864	Dipeptidyl peptidase inhibitor
763	EM	1320	0.9491	Diuretic
764	M	375	0.9974	Dopamine D1 agonist
765	M	1201	0.9874	Dopamine D1 antagonist
766	MA	797	0.9922	Dopamine D2 agonist
767	MA	6099	0.9852	Dopamine D2 antagonist
768	M	403	0.9953	Dopamine D3 agonist
769	M	2402	0.9877	Dopamine D3 antagonist
770	M	692	0.9903	Dopamine D4 agonist
771	M	1525	0.9891	Dopamine D4 antagonist
772	M	10	0.9996	Dopamine D5 agonist
773	M	321	0.9943	Dopamine D5 antagonist
774	M	2350	0.9837	Dopamine agonist
775	M	7930	0.9826	Dopamine antagonist
776	M	163	0.9988	Dopamine autoreceptor agonist
777	M	201	0.9858	Dopamine beta hydroxylase inhibitor
778	MC	2312	0.9875	Dopamine transporter inhibitor

NO	GROUP	NUMBER	IAP	ACTIVITY TYPE
779	MAC	3415	0.9905	Dopamine uptake inhibitor
780	M	379	0.9448	Dual specificity phosphatase 3 inhibitor
781	M	463	0.9423	Dual specificity phosphatase inhibitor
782	M	2069	0.9345	Dual specificity tyrosine-phosphorylation regulated kinase 1A inhibitor
783	M	468	0.9545	Dual specificity tyrosine-phosphorylation regulated kinase 1B inhibitor
784	M	206	0.9771	Dual specificity tyrosine-phosphorylation regulated kinase 2 inhibitor
785	M	325	0.9488	Dual specificity tyrosine-phosphorylation regulated kinase 3 inhibitor
786	M	90	0.9614	Dual specificity tyrosine-phosphorylation-regulated kinase 4 inhibitor
787	M	2298	0.9319	Dyrk kinase inhibitor
788	E	445	0.9752	Dysmenorrhea treatment
789	E	191	0.9585	Dyspepsia treatment
790	M	515	0.9991	Egl nine homolog 1 inhibitor
791	M	157	0.9996	Egl nine homolog 2 inhibitor
792	M	129	0.9995	Egl nine homolog 3 inhibitor
793	M	63	0.9916	Elastase 1 inhibitor
794	M	100	0.9992	Elastase 2 inhibitor
795	M	100	0.9992	Elastase 2A inhibitor
796	M	14	0.9953	Elastase 2B inhibitor
797	M	14	0.9953	Elastase 3A inhibitor
798	M	14	0.9953	Elastase 3B inhibitor
799	M	2219	0.9876	Elastase inhibitor
800	M	54	0.9608	Electrolyte absorption antagonist
801	MAC	123	0.9588	Electron transport complex I inhibitor
802	T	1755	0.9267	Embryotoxic
803	C	69	0.9894	Endocannabinoid uptake inhibitor
804	E	950	0.9684	Endometriosis treatment
805	M	553	0.9967	Endothelial nitric-oxide synthase inhibitor
806	MA	2264	0.9969	Endothelin A receptor antagonist
807	M	1473	0.9974	Endothelin B receptor antagonist
808	M	3077	0.9960	Endothelin receptor antagonist
809	M	209	0.9883	Endothelin-converting enzyme inhibitor
810	M	357	0.9816	Enoyl-[acyl-carrier-protein] reductase inhibitor
811	M	746	0.9671	EphA2 antagonist
812	M	109	0.9514	EphB2 antagonist
813	M	1616	0.9835	EphB4 antagonist
814	M	2133	0.9666	Ephrin antagonist
815	M	5628	0.9783	Epidermal growth factor antagonist
816	M	10785	0.9617	Epidermal growth factor receptor kinase inhibitor
817	M	409	0.9826	Epithelial sodium channel blocker
818	M	104	0.9972	Epoxide hydrolase 1 inhibitor
819	M	385	0.9983	Epoxide hydrolase 2 inhibitor
820	M	2100	0.9828	Epoxide hydrolase inhibitor
821	C	235	0.9888	Equilibrative nucleoside transport protein inhibitor
822	M	22	0.9160	ErbB-1 antagonist
823	M	3779	0.9773	ErbB-2 antagonist
824	M	56	0.9725	ErbB-3 antagonist
825	M	1023	0.9839	ErbB-4 antagonist
826	E	1418	0.9563	Erectile dysfunction treatment
827	M	18	0.9996	Erythropoietin receptor agonist
828	M	626	0.9960	Estradiol 17 beta-dehydrogenase 1 inhibitor

NO	GROUP	NUMBER	IAP	ACTIVITY TYPE
829	M	511	0.9942	Estradiol 17 beta-dehydrogenase 2 inhibitor
830	M	302	0.9964	Estradiol 17 beta-dehydrogenase 3 inhibitor
831	M	1135	0.9932	Estradiol 17 beta-dehydrogenase inhibitor
832	MA	1594	0.9896	Estrogen agonist
833	M	2998	0.9585	Estrogen antagonist
834	M	444	0.9968	Estrogen receptor alpha agonist
835	M	1750	0.9698	Estrogen receptor alpha antagonist
836	M	574	0.9965	Estrogen receptor beta agonist
837	M	1919	0.9659	Estrogen receptor beta antagonist
838	M	137	0.9983	Estrogen-related receptor alpha antagonist
839	M	22	0.9485	Estrogen-related receptor beta agonist
840	M	24	0.9982	Estrogen-related receptor beta antagonist
841	M	59	0.9953	Estrogen-related receptor gamma agonist
842	M	24	0.9742	Estrogen-related receptor gamma antagonist
843	M	549	0.9981	Estrone sulfatase inhibitor
844	C	77	0.9997	Excitatory amino acid transporter 1 inhibitor
845	AC	89	0.9995	Excitatory amino acid transporter 2 inhibitor
846	C	131	0.9977	Excitatory amino acid transporter 3 inhibitor
847	C	16	1.0000	Excitatory amino acid transporter 4 inhibitor
848	C	6	0.9951	Excitatory amino acid transporter EAAC1 inhibitor
849	EM	206	0.9665	Expectorant
850	M	101	0.9854	Exportin-1 inhibitor
851	T	528	0.9511	Eye irritation, high
852	Z	18	0.8748	FMO1 substrate
853	Z	39	0.8951	FMO3 substrate
854	M	74	0.9852	Factor III inhibitor
855	M	299	0.9978	Factor IX inhibitor
856	M	126	0.9891	Factor IXa inhibitor
857	M	24	0.9758	Factor V inhibitor
858	M	427	0.9978	Factor VII inhibitor
859	M	497	0.9912	Factor VIIa inhibitor
860	M	4359	0.9932	Factor X inhibitor
861	M	1164	0.9952	Factor XI inhibitor
862	M	183	0.9689	Factor XII inhibitor
863	M	88	0.9997	Factor XIII inhibitor
864	M	516	0.9941	Factor XIIIa inhibitor
865	M	451	0.9904	Factor XIa inhibitor
866	M	3270	0.9896	Factor Xa inhibitor
867	M	237	0.9748	Falcpain 2 inhibitor
868	M	23	0.9345	Falcpain 3 inhibitor
869	M	239	0.9749	Falcpain inhibitor
870	M	1027	0.9948	Farnesoid X receptor agonist
871	M	165	0.9513	Farnesoid X receptor antagonist
872	M	3824	0.9854	Farnesyltransferase inhibitor
873	M	478	0.9857	Fatty acid synthase inhibitor
874	E	452	0.9818	Female sexual dysfunction treatment
875	M	8	0.9902	Ferrochelataase inhibitor
876	M	3735	0.9735	Fibroblast growth factor 1 antagonist
877	M	1836	0.9830	Fibroblast growth factor 2 antagonist
878	M	2232	0.9815	Fibroblast growth factor 3 antagonist

NO	GROUP	NUMBER	IAP	ACTIVITY TYPE
879	M	1254	0.9883	Fibroblast growth factor 4 antagonist
880	E	3267	0.9347	Fibrosis treatment
881	Z	67	0.8896	Flavin-containing monooxygenase substrate
882	M	1381	0.9775	Focal adhesion kinase 1 inhibitor
883	M	523	0.9272	Focal adhesion kinase 2 inhibitor
884	M	42	0.9543	Folate antagonist
885	C	10	0.9999	Folate transporter 1 inhibitor
886	M	746	0.9978	Follicle-stimulating hormone agonist
887	M	139	0.9835	Follicle-stimulating hormone antagonist
888	M	1796	0.9984	Free fatty acid receptor 1 agonist
889	M	131	0.9971	Free fatty acid receptor 1 antagonist
890	M	74	0.9968	Free fatty acid receptor 2 antagonist
891	M	2140	0.9303	Free radical scavenger
892	M	355	0.9981	Fructose-1,6-bisphosphatase 1 inhibitor
893	M	492	0.9958	Fructose-1,6-bisphosphatase inhibitor
894	MA	24	0.9977	Fumarate hydratase inhibitor
895	M	2207	0.9943	G protein-coupled receptor agonist
896	M	348	0.9992	G-protein-coupled receptor 120 agonist
897	MA	852	0.9739	GABA A receptor agonist
898	MA	3248	0.9879	GABA A receptor antagonist
899	M	92	0.9710	GABA B receptor agonist
900	M	256	0.9885	GABA B receptor antagonist
901	M	6	0.9948	GABA C receptor agonist
902	M	50	0.9727	GABA C receptor antagonist
903	M	31	0.9823	GABA C receptor rho-1 antagonist
904	M	19	0.9715	GABA C receptor rho-2 antagonist
905	M	8	0.9202	GABA C receptor rho-3 antagonist
906	MA	62	0.9805	GABA aminotransferase inhibitor
907	M	1080	0.9634	GABA receptor agonist
908	M	3399	0.9882	GABA receptor antagonist
909	AC	334	0.9962	GABA transporter 1 inhibitor
910	C	70	0.9976	GABA transporter 2 inhibitor
911	C	83	0.9972	GABA transporter 3 inhibitor
912	C	378	0.9962	GABA transporter inhibitor
913	MC	72	0.9963	GABA uptake inhibitor
914	M	74	0.9977	GHS receptor agonist
915	M	171	0.9924	GHS receptor antagonist
916	M	2562	0.9920	GP IIb/IIIa receptor antagonist
917	AG	5	0.9999	GRP78 expression inhibitor
918	Z	13	0.8825	GST A substrate
919	Z	9	0.8879	GST M1-1 substrate
920	Z	15	0.9887	GST P1-1 substrate
921	Z	9	0.8812	GST T1-1 substrate
922	EM	1758	0.9714	Gastric antisecretory
923	M	156	0.9129	Gastrin inhibitor
924	E	258	0.9523	Gastritis treatment
925	E	635	0.9727	Gastroesophageal reflux disease treatment
926	E	299	0.9872	Gaucher disease treatment
927	T	184	0.9482	Genotoxic
928	M	853	0.9954	Geranylgeranyltransferase I inhibitor

NO	GROUP	NUMBER	IAP	ACTIVITY TYPE
929	M	903	0.9952	Geranylgeranyltransferase inhibitor
930	M	286	0.9924	Geranyltranstransferase inhibitor
931	M	112	1.0000	Glucagon agonist
932	M	1178	0.9967	Glucagon receptor antagonist
933	M	349	0.9837	Glucagon-like peptide 1 agonist
934	M	91	0.9996	Glucagon-like peptide 1 receptor antagonist
935	MA	1153	0.9976	Glucocorticoid agonist
936	MA	1858	0.9946	Glucocorticoid antagonist
937	M	103	1.0000	Glucokinase regulatory protein inhibitor
938	M	48	0.9877	Glucose-6-phosphate dehydrogenase inhibitor
939	M	311	0.9265	Glucose-6-phosphate dehydrogenase-6-phosphogluconolactonase inhibitor
940	MA	23	0.9993	Glucose-6-phosphate isomerase inhibitor
941	M	66	0.9902	Glucose-6-phosphate translocase inhibitor
942	M	1857	0.9950	Glucose-dependent insulinotropic receptor agonist
943	M	52	1.0000	Glucose-dependent insulinotropic receptor antagonist
944	M	497	0.9800	Glucosylceramidase inhibitor
945	M	110	0.9912	Glucosylceramidase stimulant
946	M	751	0.9912	Glutamate (mGluR group I) agonist
947	M	4113	0.9793	Glutamate (mGluR group I) antagonist
948	M	824	0.9926	Glutamate (mGluR group II) agonist
949	M	820	0.9937	Glutamate (mGluR group II) antagonist
950	M	299	0.9912	Glutamate (mGluR group III) agonist
951	M	195	0.9833	Glutamate (mGluR group III) antagonist
952	M	1829	0.9866	Glutamate (mGluR) agonist
953	M	5049	0.9790	Glutamate (mGluR) antagonist
954	M	142	0.9931	Glutamate (mGluR1) agonist
955	M	1777	0.9910	Glutamate (mGluR1) antagonist
956	M	54	0.9995	Glutamate (mGluR1a) agonist
957	M	297	0.9913	Glutamate (mGluR1a) antagonist
958	M	812	0.9944	Glutamate (mGluR2) agonist
959	M	683	0.9968	Glutamate (mGluR2) antagonist
960	M	109	0.9961	Glutamate (mGluR3) agonist
961	M	280	0.9921	Glutamate (mGluR3) antagonist
962	M	239	0.9954	Glutamate (mGluR4) agonist
963	M	95	0.9789	Glutamate (mGluR4) antagonist
964	M	623	0.9901	Glutamate (mGluR5) agonist
965	M	2552	0.9903	Glutamate (mGluR5) antagonist
966	M	50	0.9998	Glutamate (mGluR6) agonist
967	M	39	0.9864	Glutamate (mGluR6) antagonist
968	M	42	0.9674	Glutamate (mGluR7) agonist
969	M	56	0.9869	Glutamate (mGluR7) antagonist
970	M	55	0.9998	Glutamate (mGluR8) agonist
971	M	47	0.9843	Glutamate (mGluR8) antagonist
972	M	44	0.9842	Glutamate decarboxylase inhibitor
973	MA	36	0.9717	Glutamate dehydrogenase inhibitor
974	M	2271	0.9829	Glutamate receptor agonist
975	M	12117	0.9697	Glutamate receptor antagonist
976	M	70	0.9676	Glutamate release inhibitor
977	M	469	0.9954	Glutaminy-peptide cyclotransferase inhibitor
978	M	208	0.9683	Glutathione S-transferase inhibitor

NO	GROUP	NUMBER	IAP	ACTIVITY TYPE
979	Z	226	0.9604	Glutathione S-transferase substrate
980	M	121	0.9268	Glyceraldehyde-3-phosphate dehydrogenase inhibitor
981	M	41	0.9724	Glycine receptor agonist
982	M	108	0.9813	Glycine receptor antagonist
983	MC	1371	0.9964	Glycine transporter 1 inhibitor
984	MC	174	0.9875	Glycine transporter 2 inhibitor
985	MC	1512	0.9926	Glycine transporter inhibitor
986	M	1304	0.9606	Glycogen synthase kinase-3 alpha inhibitor
987	M	7455	0.9679	Glycogen synthase kinase-3 beta inhibitor
988	M	8115	0.9665	Glycogen synthase kinase-3 inhibitor
989	M	172	0.9695	Gonadotropin-releasing hormone receptor agonist
990	M	1971	0.9924	Gonadotropin-releasing hormone receptor antagonist
991	E	935	0.9623	Gout treatment
992	M	33	0.9968	Granulocyte colony stimulating factor receptor agonist
993	M	12	0.9770	Granulocyte macrophage colony stimulating factor agonist
994	M	1362	0.9700	Granulocyte macrophage colony stimulating factor antagonist
995	M	279	0.9191	Growth factor agonist
996	M	21295	0.9527	Growth factor antagonist
997	M	162	0.9931	Growth factor receptor-bound protein 2 antagonist
998	M	10	0.9742	Growth hormone agonist
999	M	65	0.9959	Growth hormone release inhibitor
1000	M	336	0.9977	Growth hormone release promoting
1001	M	453	0.9960	Growth hormone releasing factor agonist
1002	M	41	0.9996	Growth hormone releasing factor antagonist
1003	MA	863	0.9978	Growth hormone secretagogue receptor agonist
1004	M	607	0.9946	Growth hormone secretagogue receptor antagonist
1005	E	115	0.9633	Growth stimulant
1006	M	405	0.9962	Guanylate cyclase 1 stimulant
1007	M	32	0.9816	Guanylate cyclase inhibitor
1008	M	748	0.9868	Guanylate cyclase stimulant
1009	M	1324	0.9867	H ⁺ /K ⁺ -transporting ATPase inhibitor
1010	M	1654	0.9874	HCV NS3/NS4A protease inhibitor
1011	M	775	0.9977	HCV NS5A inhibitor
1012	M	1164	0.9950	HCV NS5B polymerase inhibitor
1013	M	143	0.9871	HCV polyprotein inhibitor
1014	E	994	0.9696	HDL-cholesterol increasing
1015	MA	5588	0.9433	HERG channel blocker
1016	M	505	0.9858	HIV-1 integrase (3'-Processing) inhibitor
1017	M	68	0.9855	HIV-1 integrase (Overall Integration) inhibitor
1018	M	527	0.9876	HIV-1 integrase (Strand Transfer) inhibitor
1019	M	2429	0.9808	HIV-1 integrase inhibitor
1020	M	5539	0.9924	HIV-1 protease inhibitor
1021	M	2828	0.9881	HIV-1 reverse transcriptase inhibitor
1022	MA	1450	0.9946	HMG CoA reductase inhibitor
1023	E	999	0.9597	Hair growth stimulant
1024	E	160	0.9551	Hearing loss treatment
1025	E	5348	0.9246	Heart failure treatment
1026	MA	62	0.9225	Heat shock protein 70 antagonist
1027	M	1563	0.9376	Heat shock protein 90 alpha antagonist
1028	M	2672	0.9435	Heat shock protein 90 antagonist

NO	GROUP	NUMBER	IAP	ACTIVITY TYPE
1029	M	445	0.9815	Heat shock protein 90 beta antagonist
1030	M	30	0.9702	Hedgehog signaling activator
1031	M	567	0.9639	Hedgehog signaling inhibitor
1032	EM	185	0.9598	Hematopoietic
1033	M	122	0.9834	Heme oxygenase inhibitor
1034	M	10	0.9861	Heme oxygenase stimulant
1035	EM	661	0.9491	Hemostatic
1036	M	230	0.9745	Heparanase inhibitor
1037	E	5708	0.9088	Hepatic disorders treatment
1038	M	4337	0.9705	Hepatocyte growth factor antagonist
1039	EM	799	0.9242	Hepatoprotectant
1040	MA	370	0.9491	Hexokinase inhibitor
1041	M	1307	0.9955	Hexokinase stimulant
1042	MA	72	0.9935	Histamine H1 receptor agonist
1043	MA	1959	0.9849	Histamine H1 receptor antagonist
1044	MA	200	0.9913	Histamine H2 receptor agonist
1045	MA	698	0.9850	Histamine H2 receptor antagonist
1046	MA	532	0.9962	Histamine H3 receptor agonist
1047	M	4099	0.9941	Histamine H3 receptor antagonist
1048	M	361	0.9968	Histamine H4 receptor agonist
1049	M	550	0.9887	Histamine H4 receptor antagonist
1050	M	75	0.9858	Histamine N-methyltransferase inhibitor
1051	M	1005	0.9876	Histamine agonist
1052	M	6741	0.9772	Histamine antagonist
1053	M	119	0.8772	Histamine release inhibitor
1054	M	36	0.9868	Histidine decarboxylase inhibitor
1055	M	462	0.9018	Histone acetyltransferase inhibitor
1056	M	4332	0.9927	Histone deacetylase 1 inhibitor
1057	M	437	0.9954	Histone deacetylase 10 inhibitor
1058	M	493	0.9931	Histone deacetylase 11 inhibitor
1059	M	1817	0.9918	Histone deacetylase 2 inhibitor
1060	M	1484	0.9951	Histone deacetylase 3 inhibitor
1061	M	897	0.9951	Histone deacetylase 4 inhibitor
1062	M	1715	0.9938	Histone deacetylase 5 inhibitor
1063	M	2929	0.9945	Histone deacetylase 6 inhibitor
1064	M	500	0.9916	Histone deacetylase 7 inhibitor
1065	M	1331	0.9906	Histone deacetylase 8 inhibitor
1066	M	485	0.9915	Histone deacetylase 9 inhibitor
1067	M	305	0.9552	Histone deacetylase SIRT1 inhibitor
1068	M	302	0.9813	Histone deacetylase SIRT1 stimulant
1069	M	521	0.9849	Histone deacetylase SIRT2 inhibitor
1070	M	138	0.9750	Histone deacetylase SIRT3 inhibitor
1071	M	5343	0.9917	Histone deacetylase class I inhibitor
1072	M	4192	0.9934	Histone deacetylase class II inhibitor
1073	M	716	0.9673	Histone deacetylase class III inhibitor
1074	M	2201	0.9940	Histone deacetylase class IIa inhibitor
1075	M	2948	0.9944	Histone deacetylase class IIb inhibitor
1076	M	493	0.9931	Histone deacetylase class IV inhibitor
1077	M	9478	0.9833	Histone deacetylase inhibitor
1078	M	302	0.9813	Histone deacetylase stimulant

NO	GROUP	NUMBER	IAP	ACTIVITY TYPE
1079	M	536	0.9952	Histone-lysine N-methyltransferase EZH2 inhibitor
1080	M	48	0.9996	Human T-cell leukemia virus type I protease inhibitor
1081	M	156	0.9998	Human herpes virus 5 capsid protein P40 inhibitor
1082	M	42	1.0000	Human herpesvirus 2 protease inhibitor
1083	M	289	0.9844	Human rhinovirus A protease inhibitor
1084	E	2647	0.9188	Huntington's disease treatment
1085	E	91	0.9754	Hypercalcemia treatment
1086	E	287	0.9804	Hyperparathyroidism treatment
1087	MT	1745	0.9024	Hypoglycemic
1088	E	185	0.9959	Hypogonadism treatment
1089	EM	9834	0.9318	Hypolipemic
1090	MA	114	0.9976	Hypoxanthine phosphoribosyltransferase inhibitor
1091	M	2043	0.9043	Hypoxia inducible factor 1 alpha inhibitor
1092	M	566	0.9759	I kappa B kinase 1 inhibitor
1093	M	2096	0.9808	I kappa B kinase 2 inhibitor
1094	M	186	0.9425	I kappa B kinase epsilon inhibitor
1095	M	2599	0.9739	I kappa B kinase inhibitor
1096	M	426	0.9954	ICAM 1 antagonist
1097	G	91	0.8926	ICAM1 expression inhibitor
1098	MC	315	0.9992	Ileal bile acid transport inhibitor
1099	M	62	0.9971	Imidazoline I1 receptor antagonist
1100	M	140	0.9998	Imidazoline I2 receptor antagonist
1101	M	86	0.9740	Immunoglobulin Fc receptor antagonist
1102	EM	5100	0.8953	Immunomodulator
1103	EM	1421	0.9228	Immunostimulant
1104	EM	4981	0.8928	Immunosuppressant
1105	EM	12	0.9998	Immunosuppressant Cyclosporine-like
1106	M	681	0.9869	Indoleamine-pyrrole 2,3-dioxygenase inhibitor
1107	M	1582	0.9774	Inducible nitric-oxide synthase inhibitor
1108	E	7440	0.8896	Inflammatory Bowel disease treatment
1109	M	156	0.9952	Inosine monophosphate dehydrogenase 1 inhibitor
1110	M	668	0.9971	Inosine monophosphate dehydrogenase 2 inhibitor
1111	M	1015	0.9954	Inosine monophosphate dehydrogenase inhibitor
1112	M	3860	0.9768	Insulin growth factor antagonist
1113	M	3816	0.9771	Insulin like growth factor 1 antagonist
1114	M	44	1.0000	Insulin like growth factor 3 antagonist
1115	M	1483	0.9674	Insulin receptor antagonist
1116	M	477	0.9386	Insulin secretagogues
1117	EM	316	0.9507	Insulin sensitizer
1118	M	112	0.8992	Insulysin inhibitor
1119	M	43	0.9875	Integrin alpha1beta1 antagonist
1120	M	79	0.9937	Integrin alpha2 antagonist
1121	M	69	0.9951	Integrin alpha2beta1 antagonist
1122	M	2485	0.9974	Integrin alpha4 antagonist
1123	M	1862	0.9984	Integrin alpha4beta1 antagonist
1124	M	888	0.9981	Integrin alpha4beta7 antagonist
1125	M	274	0.9922	Integrin alpha5beta1 antagonist
1126	M	14	1.0000	Integrin alpha5beta6 antagonist
1127	M	54	0.9995	Integrin alpha1beta2 antagonist
1128	M	139	0.9988	Integrin alphaVbeta1 antagonist

NO	GROUP	NUMBER	IAP	ACTIVITY TYPE
1129	M	781	0.9955	Integrin alphaVbeta3 antagonist
1130	M	431	0.9993	Integrin alphaVbeta5 antagonist
1131	M	346	0.9977	Integrin alphaVbeta6 antagonist
1132	M	5203	0.9916	Integrin antagonist
1133	M	370	0.9997	Integrin beta2 antagonist
1134	M	987	0.9967	Integrin beta3 antagonist
1135	M	173	0.9979	Integrin beta5 antagonist
1136	M	102	0.9985	Integrin beta6 antagonist
1137	M	354	0.9989	Integrin beta7 antagonist
1138	M	211	0.9768	Interferon agonist
1139	M	127	0.9346	Interferon gamma antagonist
1140	M	189	0.9799	Interferon inducer
1141	M	953	0.9535	Interleukin 1 antagonist
1142	M	1565	0.9675	Interleukin 1 beta converting enzyme inhibitor
1143	M	134	0.9591	Interleukin 12 antagonist
1144	M	530	0.9601	Interleukin 1b antagonist
1145	M	17	0.9107	Interleukin 2 agonist
1146	M	254	0.9549	Interleukin 2 antagonist
1147	M	147	0.9535	Interleukin 4 antagonist
1148	M	153	0.9720	Interleukin 5 antagonist
1149	M	249	0.9385	Interleukin 6 antagonist
1150	M	251	0.9518	Interleukin 8 antagonist
1151	M	62	0.9256	Interleukin agonist
1152	M	1869	0.9381	Interleukin antagonist
1153	M	346	0.9427	Interleukin-1 receptor-associated protein kinase 1 inhibitor
1154	M	1801	0.9781	Interleukin-1 receptor-associated protein kinase 4 inhibitor
1155	E	3015	0.9473	Irritable Bowel syndrome treatment
1156	M	90	0.9988	Isoleucine-tRNA ligase inhibitor
1157	M	4071	0.9904	Janus tyrosine kinase 1 inhibitor
1158	M	8394	0.9780	Janus tyrosine kinase 2 inhibitor
1159	M	6486	0.9827	Janus tyrosine kinase 3 inhibitor
1160	M	351	0.9987	Kainate receptor 1 antagonist
1161	M	235	0.9970	Kainate receptor 2 antagonist
1162	M	142	0.9990	Kainate receptor 3 antagonist
1163	M	135	0.9987	Kainate receptor 4 antagonist
1164	M	163	0.9988	Kainate receptor 5 antagonist
1165	M	38	0.9901	Kainate receptor agonist
1166	M	602	0.9942	Kainate receptor antagonist
1167	M	160	0.9679	Kallikrein 1 inhibitor
1168	M	126	0.9704	Kallikrein 7 inhibitor
1169	M	1416	0.9868	Kallikrein inhibitor
1170	EM	66	0.9762	Keratolytic
1171	M	138	0.9969	KiSS-1 receptor agonist
1172	M	34	0.9999	KiSS-1 receptor antagonist
1173	M	1313	0.9937	Kinesin antagonist
1174	M	1313	0.9937	Kinesin-like protein 1 inhibitor
1175	M	300	0.9966	Kynurenine 3 monooxygenase inhibitor
1176	G	172	0.9299	LDLR expression enhancer
1177	M	362	0.9976	LFA antagonist
1178	M	565	0.9467	LIM domain kinase 1 inhibitor

NO	GROUP	NUMBER	IAP	ACTIVITY TYPE
1179	M	224	0.9834	LIM domain kinase 2 inhibitor
1180	M	113	0.9583	Lanosterol 14 alpha demethylase inhibitor
1181	MA	3746	0.9611	Lck kinase inhibitor
1182	M	1539	0.9748	Leucine-rich repeat kinase 2 inhibitor
1183	M	1187	0.9905	Leukocyte elastase inhibitor
1184	M	650	0.9960	Leukotriene A4 hydrolase inhibitor
1185	M	958	0.9885	Leukotriene B4 antagonist
1186	M	608	0.9969	Leukotriene B4 receptor 1 antagonist
1187	M	240	0.9992	Leukotriene B4 receptor 2 antagonist
1188	M	289	0.9812	Leukotriene C antagonist
1189	M	278	0.9882	Leukotriene C4 antagonist
1190	M	1307	0.9958	Leukotriene D4 antagonist
1191	M	2819	0.9866	Leukotriene antagonist
1192	EM	851	0.9862	Leukotriene synthesis inhibitor
1193	M	632	0.9834	Lipase inhibitor
1194	M	946	0.9549	Lipid peroxidase inhibitor
1195	M	80	0.9739	Lipocortins synthesis agonist
1196	M	11	0.9692	Lipocortins synthesis antagonist
1197	E	9806	0.9238	Lipoprotein disorders treatment
1198	M	8906	0.9107	Lipoxygenase inhibitor
1199	M	1134	0.9900	Liver X receptor agonist
1200	M	658	0.9902	Liver X receptor alpha agonist
1201	M	113	0.9937	Liver X receptor alpha antagonist
1202	M	132	0.9964	Liver X receptor antagonist
1203	M	807	0.9942	Liver X receptor beta agonist
1204	M	85	0.9950	Liver X receptor beta antagonist
1205	E	691	0.9567	Liver cirrhosis treatment
1206	E	1064	0.9490	Liver fibrosis treatment
1207	MA	43	0.9984	Lysine carboxypeptidase inhibitor
1208	M	531	0.9888	Lysine-specific demethylase 1A inhibitor
1209	M	153	0.9929	Lysophosphatidic acid 1 receptor antagonist
1210	M	57	0.9898	Lysophosphatidic acid 2 receptor antagonist
1211	M	62	0.9898	Lysophosphatidic acid 3 receptor antagonist
1212	M	19	0.9999	Lysophosphatidic acid receptor 1 agonist
1213	M	12	0.9998	Lysophosphatidic acid receptor 3 agonist
1214	M	278	0.9636	M17 leucyl aminopeptidase inhibitor
1215	M	120	0.9708	M18 aspartyl aminopeptidase inhibitor
1216	MA	2397	0.9730	MAO A inhibitor
1217	M	3487	0.9774	MAO B inhibitor
1218	MA	4770	0.9657	MAO inhibitor
1219	M	5403	0.8358	MAP kinase 1 inhibitor
1220	M	1537	0.9787	MAP kinase 10 inhibitor
1221	M	1003	0.9786	MAP kinase 11 inhibitor
1222	M	602	0.9617	MAP kinase 12 inhibitor
1223	M	576	0.9629	MAP kinase 13 inhibitor
1224	M	6448	0.9809	MAP kinase 14 inhibitor
1225	M	324	0.9377	MAP kinase 3 inhibitor
1226	M	48	0.9121	MAP kinase 7 inhibitor
1227	M	1543	0.9699	MAP kinase 8 inhibitor
1228	M	1171	0.9669	MAP kinase 9 inhibitor

NO	GROUP	NUMBER	IAP	ACTIVITY TYPE
1229	M	1698	0.9662	MAP kinase kinase 1 inhibitor
1230	M	155	0.9855	MAP kinase kinase 10 inhibitor
1231	M	294	0.9399	MAP kinase kinase 2 inhibitor
1232	M	15	0.8669	MAP kinase kinase 3 inhibitor
1233	M	65	0.9281	MAP kinase kinase 4 inhibitor
1234	M	68	0.9101	MAP kinase kinase 5 inhibitor
1235	M	40	0.8549	MAP kinase kinase 6 inhibitor
1236	M	168	0.9702	MAP kinase kinase 7 inhibitor
1237	M	149	0.9758	MAP kinase kinase 8 inhibitor
1238	M	117	0.9829	MAP kinase kinase 9 inhibitor
1239	M	2703	0.9634	MAP kinase kinase inhibitor
1240	M	2125	0.9707	MAP kinase kinase kinase inhibitor
1241	M	2277	0.9772	MAP-kinase-activated kinase 2 inhibitor
1242	M	178	0.9090	MAP-kinase-activated kinase 5 inhibitor
1243	M	2408	0.9728	MAP-kinase-activated kinase inhibitor
1244	M	507	0.9869	MAP3K5 inhibitor
1245	M	274	0.9819	MAP3K7 inhibitor
1246	M	978	0.9948	MAP3K8 inhibitor
1247	M	119	0.9523	MAP3K9 inhibitor
1248	M	506	0.9708	MDM2 inhibitor
1249	M	2511	0.9836	Macrophage colony-stimulating factor 1 receptor antagonist
1250	M	693	0.9906	Macrophage elastase inhibitor
1251	M	285	0.9768	Macrophage migration inhibitory factor inhibitor
1252	E	1417	0.9455	Macular degeneration treatment
1253	M	127	0.9910	Maillard reaction inhibitor
1254	E	2043	0.9491	Male reproductive dysfunction treatment
1255	M	5	0.9999	Mannitol 2-dehydrogenase inhibitor
1256	M	18	0.9944	Mannitol-1-phosphate 5-dehydrogenase inhibitor
1257	M	130	0.9538	Mannose-6-phosphate isomerase inhibitor
1258	M	113	0.9912	Mannosidase inhibitor
1259	M	2102	0.9859	Matrix metalloproteinase (membrane-type) inhibitor
1260	M	2506	0.9897	Matrix metalloproteinase 1 inhibitor
1261	M	4272	0.9827	Matrix metalloproteinase inhibitor
1262	M	1703	0.9474	Mcl-1 antagonist
1263	M	472	0.9758	Mediator release inhibitor
1264	M	107	0.9378	Melanin inhibitor
1265	M	2857	0.9925	Melanin-concentrating hormone receptor 1 antagonist
1266	M	627	0.9980	Melanocortin 1 agonist
1267	M	339	0.9907	Melanocortin 1 antagonist
1268	M	617	0.9984	Melanocortin 3 agonist
1269	M	389	0.9978	Melanocortin 3 antagonist
1270	M	1827	0.9978	Melanocortin 4 agonist
1271	M	1316	0.9896	Melanocortin 4 antagonist
1272	M	471	0.9985	Melanocortin 5 agonist
1273	M	283	0.9955	Melanocortin 5 antagonist
1274	M	2094	0.9970	Melanocortin agonist
1275	M	1539	0.9857	Melanocortin antagonist
1276	M	200	0.9956	Melatonin 1 agonist
1277	M	810	0.9956	Melatonin 1 antagonist
1278	M	179	0.9952	Melatonin 2 agonist

NO	GROUP	NUMBER	IAP	ACTIVITY TYPE
1279	M	233	0.9991	Melatonin 2 antagonist
1280	M	100	0.9989	Melatonin 3 antagonist
1281	M	68	0.9994	Melatonin 5 antagonist
1282	M	436	0.9943	Melatonin agonist
1283	M	1044	0.9953	Melatonin antagonist
1284	M	178	0.9903	Membrane dipeptidase inhibitor
1285	E	542	0.9565	Menstruation disorders treatment
1286	E	122	0.9644	Mental retardation treatment
1287	E	5125	0.9060	Metabolic disease treatment
1288	M	3435	0.9774	Metalloproteinase-2 inhibitor
1289	M	1045	0.9906	Metalloproteinase-3 inhibitor
1290	M	2820	0.9789	Metalloproteinase-9 inhibitor
1291	M	296	0.9967	Methionyl aminopeptidase 1 inhibitor
1292	M	722	0.9956	Methionyl aminopeptidase 2 inhibitor
1293	M	11	0.9947	Methylmalonyl-CoA mutase inhibitor
1294	M	519	0.9992	Microsomal triglyceride transfer protein inhibitor
1295	M	590	0.9636	Microtubule formation inhibitor
1296	M	511	0.9937	Microtubule stabilization
1297	M	890	0.9917	Mineralocorticoid receptor antagonist
1298	C	91	0.9960	Monocarboxylic acid transporter 1 inhibitor
1299	C	91	0.9960	Monocarboxylic acid transporter inhibitor
1300	M	751	0.9708	Monophenol monooxygenase inhibitor
1301	E	18824	0.8988	Mood disorders treatment
1302	M	349	0.9961	Motilin receptor agonist
1303	M	128	0.9917	Motilin receptor antagonist
1304	E	130	0.9300	Movement disorders treatment
1305	EM	164	0.9662	Mucolytic
1306	MC	343	0.9661	Multidrug resistance-associated protein 1 inhibitor
1307	E	8039	0.8943	Multiple sclerosis treatment
1308	E	488	0.9444	Muscle relaxant
1309	E	569	0.9558	Muscular dystrophy treatment
1310	T	5583	0.9445	Mutagenic
1311	E	228	0.9461	Myasthenia Gravis treatment
1312	M	99	0.9700	Myc inhibitor
1313	M	310	0.9705	Myeloperoxidase inhibitor
1314	E	2050	0.9253	Myocardial infarction treatment
1315	E	2506	0.9553	Myocardial ischemia treatment
1316	M	666	0.9963	Myristoyl transferase inhibitor
1317	M	371	0.9985	N-Acetylated alpha-linked acidic dipeptidase inhibitor
1318	M	259	0.9812	NAD(P)H dehydrogenase (quinone) inhibitor
1319	M	17	0.9621	NADH dehydrogenase inhibitor
1320	M	345	0.9555	NADPH oxidase inhibitor
1321	Z	21	0.9930	NAT1 substrate
1322	Z	37	0.9725	NAT2 substrate
1323	M	1539	0.9871	NMDA 2 receptor antagonist
1324	M	668	0.9922	NMDA 2A receptor antagonist
1325	M	725	0.9902	NMDA 2B receptor antagonist
1326	M	268	0.9927	NMDA 2C receptor antagonist
1327	M	64	0.9958	NMDA 2D receptor antagonist
1328	MA	185	0.9834	NMDA receptor agonist

NO	GROUP	NUMBER	IAP	ACTIVITY TYPE
1329	M	5512	0.9788	NMDA receptor antagonist
1330	M	128	0.9907	NMDA receptor glycine site agonist
1331	M	617	0.9980	NMDA receptor glycine site antagonist
1332	M	152	0.9994	NMDA receptor phencyclidine site antagonist
1333	M	1034	0.9933	NMDA receptor subunit 3A antagonist
1334	M	632	0.9909	NMDA receptor subunit 3B antagonist
1335	G	78	0.9386	NOS2 expression inhibitor
1336	M	121	0.9412	NOS3 expression enhancer
1337	G	28	0.8969	NOS3 expression inhibitor
1338	MA	309	0.9843	Na+ K+ transporting ATPase inhibitor
1339	E	313	0.9867	Narcolepsy treatment
1340	E	114	0.9779	Narcotic antagonist
1341	M	190	0.9595	Nav1.1 sodium channel blocker
1342	M	356	0.9549	Nav1.2 sodium channel blocker
1343	M	265	0.9582	Nav1.3 sodium channel blocker
1344	M	51	0.9512	Nav1.4 sodium channel blocker
1345	MA	412	0.9613	Nav1.5 sodium channel blocker
1346	M	213	0.9583	Nav1.6 sodium channel blocker
1347	M	2991	0.9848	Nav1.7 sodium channel blocker
1348	M	329	0.9833	Nav1.8 sodium channel blocker
1349	M	54	0.9977	Nerve growth factor antagonist
1350	M	261	0.9913	Neuraminidase (Influenza A) inhibitor
1351	M	72	0.9924	Neuraminidase (Influenza B) inhibitor
1352	M	746	0.9832	Neuraminidase (influenza) inhibitor
1353	M	1241	0.9872	Neuraminidase inhibitor
1354	M	40	0.9932	Neurokinin 1 agonist
1355	M	2683	0.9944	Neurokinin 1 antagonist
1356	M	43	0.9941	Neurokinin 2 agonist
1357	M	1573	0.9906	Neurokinin 2 antagonist
1358	M	49	1.0000	Neurokinin 3 agonist
1359	M	1415	0.9937	Neurokinin 3 antagonist
1360	M	4224	0.9906	Neurokinin antagonist
1361	M	1492	0.9855	Neuronal nicotinic receptor antagonist
1362	E	417	0.9466	Neuropathy treatment
1363	M	2164	0.9696	Neuropeptide Y antagonist
1364	MA	571	0.9477	Neuropeptide Y1 antagonist
1365	M	238	0.9073	Neuropeptide Y2 antagonist
1366	M	1077	0.9922	Neuropeptide Y5 antagonist
1367	M	151	0.9762	Neuropeptide agonist
1368	M	192	0.9214	Neurotensin receptor agonist
1369	M	157	0.9853	Neurotensin receptor antagonist
1370	M	505	0.9613	Neurotrophic factor
1371	M	76	0.9358	Neurotrophic factor enhancer
1372	MA	1611	0.9971	Neutral endopeptidase inhibitor
1373	E	135	0.9820	Neutropenia treatment
1374	M	1173	0.9857	Neutrophil collagenase inhibitor
1375	M	998	0.9940	Nicotinamide phosphoribosyltransferase inhibitor
1376	M	103	0.9864	Nicotinic acid receptor 1 agonist
1377	M	88	0.9996	Nicotinic acid receptor 1 antagonist
1378	M	516	0.9963	Nicotinic acid receptor 2 agonist

NO	GROUP	NUMBER	IAP	ACTIVITY TYPE
1379	M	154	0.9971	Nicotinic acid receptor 2 antagonist
1380	M	695	0.9940	Nicotinic acid receptor agonist
1381	M	142	0.9818	Nicotinic alpha3beta2 receptor antagonist
1382	M	121	0.9980	Nicotinic alpha3beta4 receptor agonist
1383	MA	93	0.9998	Nicotinic alpha4 receptor agonist
1384	M	252	0.9976	Nicotinic alpha4beta2 receptor agonist
1385	M	410	0.9834	Nicotinic alpha4beta2 receptor antagonist
1386	M	946	0.9879	Nicotinic alpha7 receptor agonist
1387	M	1287	0.9887	Nicotinic neuronal receptor agonist
1388	M	239	0.9931	Nicotinic receptor alpha3 subunit antagonist
1389	M	437	0.9898	Nicotinic receptor alpha4 subunit antagonist
1390	M	352	0.9889	Nicotinic receptor alpha7 subunit antagonist
1391	M	130	0.9982	Nicotinic receptor beta4 subunit antagonist
1392	M	1600	0.9394	Nitric oxide antagonist
1393	M	980	0.9908	Nitric oxide donor
1394	M	2814	0.9713	Nitric-oxide synthase inhibitor
1395	M	21	0.9004	Nitric-oxide synthase stimulant
1396	M	556	0.9987	Nociceptin (N/OFQ) receptor agonist
1397	M	597	0.9975	Nociceptin (N/OFQ) receptor antagonist
1398	EM	1294	0.9338	Non-steroidal antiinflammatory agent
1399	EM	6318	0.8929	Nootropic
1400	C	18	0.9993	Nucleoside transporters inhibitor
1401	M	162	0.9907	O6-alkylguanine-DNA alkyltransferase inhibitor
1402	E	429	0.9755	Obsessive-compulsive disorder treatment
1403	M	1964	0.9935	Oleamide hydrolase inhibitor
1404	M	4611	0.9894	Opioid agonist
1405	M	5619	0.9729	Opioid antagonist
1406	MA	1824	0.9928	Opioid delta receptor agonist
1407	MA	3102	0.9887	Opioid delta receptor antagonist
1408	MA	1715	0.9904	Opioid kappa receptor agonist
1409	M	2956	0.9722	Opioid kappa receptor antagonist
1410	MA	2135	0.9906	Opioid mu receptor agonist
1411	M	3903	0.9865	Opioid mu receptor antagonist
1412	M	2024	0.9685	Orexin receptor 1 antagonist
1413	M	1713	0.9953	Orexin receptor 2 antagonist
1414	M	3082	0.9757	Orexin receptor antagonist
1415	MA	40	0.9939	Ornithine carbamoyltransferase inhibitor
1416	M	294	0.9774	Ornithine decarboxylase inhibitor
1417	E	2079	0.9400	Osteoarthritis treatment
1418	M	241	0.9897	Oxytocin agonist
1419	M	1278	0.9922	Oxytocin antagonist
1420	MC	1523	0.9372	P-glycoprotein inhibitor
1421	C	11	1.0000	P2 nucleoside transporter inhibitor
1422	E	114	0.9631	Paget's disease treatment
1423	E	573	0.9467	Pancreatic disorders treatment
1424	M	43	0.9842	Parathyroid hormone antagonist
1425	M	398	0.9931	Peptide deformylase inhibitor
1426	M	20	0.9137	Peptidyltransferase inhibitor
1427	E	621	0.9862	Peristaltic stimulant
1428	MA	21	0.9527	Peroxidase inhibitor

NO	GROUP	NUMBER	IAP	ACTIVITY TYPE
1429	M	2616	0.9909	Peroxisome proliferator-activated receptor alpha agonist
1430	M	608	0.9978	Peroxisome proliferator-activated receptor alpha antagonist
1431	M	1448	0.9942	Peroxisome proliferator-activated receptor delta agonist
1432	M	313	0.9913	Peroxisome proliferator-activated receptor delta antagonist
1433	M	3313	0.9846	Peroxisome proliferator-activated receptor gamma agonist
1434	M	1058	0.9720	Peroxisome proliferator-activated receptor gamma antagonist
1435	MA	38	0.9925	Phenylalanine 4-hydroxylase inhibitor
1436	M	141	0.9907	Phenylethanolamine N methyltransferase inhibitor
1437	E	34	0.9535	Phobic disorders treatment
1438	C	72	0.9913	Phosphate transporter inhibitor
1439	M	9182	0.9890	Phosphatidylinositol 3-kinase alpha inhibitor
1440	M	2334	0.9879	Phosphatidylinositol 3-kinase beta inhibitor
1441	M	3241	0.9865	Phosphatidylinositol 3-kinase delta inhibitor
1442	M	5579	0.9850	Phosphatidylinositol 3-kinase gamma inhibitor
1443	M	13796	0.9827	Phosphatidylinositol kinase inhibitor
1444	M	4720	0.9924	Phosphodiesterase 10A inhibitor
1445	M	162	0.9746	Phosphodiesterase 11A inhibitor
1446	M	303	0.9794	Phosphodiesterase 1A inhibitor
1447	M	393	0.9777	Phosphodiesterase 1B inhibitor
1448	M	289	0.9758	Phosphodiesterase 1C inhibitor
1449	M	928	0.9903	Phosphodiesterase 2A inhibitor
1450	MA	537	0.9802	Phosphodiesterase 3A inhibitor
1451	M	660	0.9922	Phosphodiesterase 3B inhibitor
1452	M	2005	0.9895	Phosphodiesterase 4A inhibitor
1453	M	2781	0.9839	Phosphodiesterase 4B inhibitor
1454	M	965	0.9881	Phosphodiesterase 4C inhibitor
1455	MA	1685	0.9828	Phosphodiesterase 4D inhibitor
1456	M	2075	0.9837	Phosphodiesterase 5A inhibitor
1457	M	186	0.9964	Phosphodiesterase 6A inhibitor
1458	M	106	0.9979	Phosphodiesterase 6B inhibitor
1459	M	126	0.9843	Phosphodiesterase 6C inhibitor
1460	M	146	0.9443	Phosphodiesterase 6D inhibitor
1461	M	96	0.9984	Phosphodiesterase 6G inhibitor
1462	M	96	0.9984	Phosphodiesterase 6H inhibitor
1463	M	604	0.9875	Phosphodiesterase 7A inhibitor
1464	M	68	0.9723	Phosphodiesterase 7B inhibitor
1465	M	427	0.9909	Phosphodiesterase 9A inhibitor
1466	M	789	0.9665	Phosphodiesterase I inhibitor
1467	M	986	0.9890	Phosphodiesterase II inhibitor
1468	M	1618	0.9854	Phosphodiesterase III inhibitor
1469	M	7237	0.9801	Phosphodiesterase IV inhibitor
1470	M	536	0.9921	Phosphodiesterase IX inhibitor
1471	M	2718	0.9831	Phosphodiesterase V inhibitor
1472	M	375	0.9697	Phosphodiesterase VI inhibitor
1473	M	834	0.9866	Phosphodiesterase VII inhibitor
1474	M	146	0.9755	Phosphodiesterase VIII inhibitor
1475	M	4720	0.9924	Phosphodiesterase X inhibitor
1476	M	162	0.9746	Phosphodiesterase XI inhibitor
1477	MA	18000	0.9606	Phosphodiesterase inhibitor
1478	MA	33	0.9907	Phosphofructokinase-1 inhibitor

NO	GROUP	NUMBER	IAP	ACTIVITY TYPE
1479	MA	281	0.9957	Phosphoglycerate kinase inhibitor
1480	MA	1781	0.9456	Phospholipase A2 inhibitor
1481	MA	101	0.9213	Phospholipase C inhibitor
1482	M	163	0.9785	Phospholipase D inhibitor
1483	M	227	0.9981	Phosphoribosylglycinamide formyltransferase inhibitor
1484	MA	734	0.9912	Phosphorylase inhibitor
1485	EM	76	0.9556	Photosensitizer
1486	M	3351	0.9738	Pim-1 kinase inhibitor
1487	M	1860	0.9872	Pim-2 kinase inhibitor
1488	M	1527	0.9751	Pim-3 kinase inhibitor
1489	M	1034	0.9954	Plasma kallikrein inhibitor
1490	M	157	0.9997	Plasmepsin I inhibitor
1491	M	523	0.9889	Plasmepsin II inhibitor
1492	M	797	0.9856	Plasmin inhibitor
1493	M	285	0.9870	Plasminogen activator inhibitor
1494	M	356	0.9883	Plasminogen activator inhibitor antagonist
1495	M	2302	0.9740	Platelet activating factor alpha antagonist
1496	MA	7898	0.9671	Platelet activating factor antagonist
1497	M	4148	0.9728	Platelet activating factor beta antagonist
1498	M	761	0.9417	Platelet adhesion inhibitor
1499	EM	13308	0.9321	Platelet aggregation inhibitor
1500	EM	3466	0.9393	Platelet antagonist
1501	M	1027	0.9770	Platelet growth factor antagonist
1502	T	23	0.9299	Pneumotoxic
1503	M	1735	0.9701	Polo-like kinase-1 inhibitor
1504	M	219	0.9751	Polo-like kinase-2 inhibitor
1505	M	359	0.9417	Polo-like kinase-3 inhibitor
1506	M	824	0.9654	Polo-like kinase-4 inhibitor
1507	M	3607	0.9915	Poly(ADP-ribose) polymerase 1 inhibitor
1508	M	297	0.9967	Poly(ADP-ribose) polymerase 2 inhibitor
1509	M	4312	0.9892	Poly(ADP-ribose) polymerase inhibitor
1510	M	22	0.9900	Porphobilinogen synthase inhibitor
1511	E	59	0.9920	Postcoital contraceptive
1512	E	322	0.9872	Postmenopausal disorders treatment
1513	E	344	0.9727	Posttraumatic stress disorder treatment
1514	M	529	0.9867	Potassium channel (ATP-sensitive) activator
1515	M	648	0.9824	Potassium channel (ATP-sensitive) blocker
1516	M	342	0.9693	Potassium channel (Ca-activated) activator
1517	M	381	0.9816	Potassium channel (Ca-activated) blocker
1518	M	584	0.9971	Potassium channel (Inward rectifier) 1 blocker
1519	M	178	0.9960	Potassium channel (Inward rectifier) 11 blocker
1520	M	530	0.9867	Potassium channel (Inward rectifier) activator
1521	M	1383	0.9879	Potassium channel (Inward rectifier) blocker
1522	M	535	0.9838	Potassium channel (Tandem pore domain) blocker
1523	M	614	0.9719	Potassium channel (Voltage-sensitive) activator
1524	M	7110	0.9406	Potassium channel (Voltage-sensitive) blocker
1525	M	514	0.9929	Potassium channel KCNQ activator
1526	M	138	0.9833	Potassium channel Kv1.1 blocker
1527	M	436	0.9921	Potassium channel Kv1.3 blocker
1528	M	960	0.9845	Potassium channel Kv1.5 blocker

NO	GROUP	NUMBER	IAP	ACTIVITY TYPE
1529	M	2943	0.9727	Potassium channel activator
1530	M	11853	0.9384	Potassium channel blocker
1531	M	122	0.9911	Potassium channel intermediate-conductance Ca-activated blocker
1532	M	264	0.9735	Potassium channel large-conductance Ca-activated activator
1533	M	56	0.9986	Potassium channel small-conductance Ca-activated activator
1534	M	190	0.9855	Potassium channel small-conductance Ca-activated blocker
1535	M	484	0.9955	Potassium channel subfamily K member 3 blocker
1536	M	151	0.9504	Pregnane X receptor agonist
1537	M	63	0.9872	Pregnane X receptor antagonist
1538	E	209	0.9917	Premature ejaculation treatment
1539	E	67	0.9845	Premenstrual syndrome treatment
1540	M	617	0.9982	Progesterone agonist
1541	M	1715	0.9939	Progesterone antagonist
1542	M	98	0.9999	Progesterone receptor A antagonist
1543	M	66	0.9994	Progesterone receptor B antagonist
1544	E	566	0.9803	Prokinetic
1545	M	596	0.9991	Prokineticin receptor 1 antagonist
1546	M	44	0.9794	Prolactin inhibitor
1547	M	65	0.9741	Prolactin release inhibitor
1548	E	290	0.9057	Proliferative diseases treatment
1549	C	27	1.0000	Proline transporter inhibitor
1550	M	846	0.9906	Prolyl endopeptidase inhibitor
1551	M	313	0.9978	Prostacyclin agonist
1552	M	313	0.9951	Prostacyclin antagonist
1553	M	115	0.9977	Prostaglandin D2 agonist
1554	M	2236	0.9981	Prostaglandin D2 antagonist
1555	M	1387	0.9975	Prostaglandin E2 agonist
1556	M	3047	0.9894	Prostaglandin E2 antagonist
1557	M	695	0.9985	Prostaglandin EP1 antagonist
1558	M	314	0.9974	Prostaglandin EP2 agonist
1559	M	467	0.9923	Prostaglandin EP2 antagonist
1560	M	646	0.9978	Prostaglandin EP3 antagonist
1561	M	368	0.9990	Prostaglandin EP4 agonist
1562	M	600	0.9945	Prostaglandin EP4 antagonist
1563	MA	109	0.9899	Prostaglandin F2 alpha agonist
1564	M	114	0.9802	Prostaglandin F2 alpha antagonist
1565	M	379	0.9986	Prostaglandin H2 antagonist
1566	M	1741	0.9946	Prostaglandin agonist
1567	M	5741	0.9870	Prostaglandin antagonist
1568	M	3116	0.9019	Prostaglandin dehydrogenase inhibitor
1569	M	1656	0.9850	Prostaglandin-E synthase inhibitor
1570	E	4055	0.9143	Prostate cancer treatment
1571	E	905	0.9456	Prostate disorders treatment
1572	E	2748	0.9539	Prostatic (benign) hyperplasia treatment
1573	M	150	0.9979	Protease (Human cytomegalovirus) inhibitor
1574	M	197	0.9825	Protease 3C (Human rhinovirus) inhibitor
1575	M	128	0.9998	Protease activated receptor 1 agonist
1576	M	992	0.9928	Protease activated receptor 1 antagonist
1577	M	284	0.9989	Protease activated receptor agonist
1578	M	2046	0.9882	Protease activated receptor antagonist

NO	GROUP	NUMBER	IAP	ACTIVITY TYPE
1579	M	2106	0.9686	Protease inhibitor
1580	M	1270	0.9601	Proteasome inhibitor
1581	M	68	0.9746	Protein 30S ribosomal subunit inhibitor
1582	M	135	0.9898	Protein 50S ribosomal subunit inhibitor
1583	M	859	0.9685	Protein kinase (CK1) delta inhibitor
1584	M	544	0.9875	Protein kinase (CK1) epsilon inhibitor
1585	M	223	0.9542	Protein kinase (CK1) gamma 1 inhibitor
1586	M	281	0.9620	Protein kinase (CK1) gamma 2 inhibitor
1587	M	175	0.9556	Protein kinase (CK1) gamma 3 inhibitor
1588	M	345	0.9580	Protein kinase (CK1) gamma inhibitor
1589	M	1482	0.9608	Protein kinase (CK1) inhibitor
1590	M	1154	0.9667	Protein kinase (CK2) alpha inhibitor
1591	M	379	0.9901	Protein kinase (CK2) beta inhibitor
1592	M	1860	0.9733	Protein kinase (CK2) inhibitor
1593	M	4035	0.9787	Protein kinase (CaMK, MLCK, PhK, SNF, KIN, NIM1, MAPKAP, POLO, CHK, ULK, RSK-2nd domain) inhibitor
1594	M	7677	0.9757	Protein kinase (Mos, Mil/Raf, MEKK, RIPK, TESK, LIMK, IRAK, ILK, Activin/TGF-beta) inhibitor
1595	M	1869	0.9748	Protein kinase A inhibitor
1596	M	2890	0.9813	Protein kinase B alpha inhibitor
1597	M	1162	0.9767	Protein kinase B beta inhibitor
1598	M	725	0.9759	Protein kinase B gamma inhibitor
1599	M	2007	0.9818	Protein kinase C alpha inhibitor
1600	M	284	0.9919	Protein kinase C beta I inhibitor
1601	M	571	0.9940	Protein kinase C beta II inhibitor
1602	M	1288	0.9809	Protein kinase C beta inhibitor
1603	M	1457	0.9723	Protein kinase C delta inhibitor
1604	M	1226	0.9883	Protein kinase C epsilon inhibitor
1605	M	563	0.9868	Protein kinase C eta inhibitor
1606	M	786	0.9672	Protein kinase C gamma inhibitor
1607	M	726	0.9827	Protein kinase C iota inhibitor
1608	M	294	0.9746	Protein kinase C mu inhibitor
1609	M	574	0.9542	Protein kinase C nu inhibitor
1610	M	3231	0.9871	Protein kinase C theta inhibitor
1611	M	381	0.9718	Protein kinase C zeta inhibitor
1612	M	237	0.9570	Protein kinase stimulant
1613	M	2764	0.9654	Protein-tyrosine kinase (PTK, not ETK, WZC) inhibitor
1614	M	944	0.9611	Protein-tyrosine kinase Lyn inhibitor
1615	M	2864	0.9736	Protein-tyrosine phosphatase 1B inhibitor
1616	M	4410	0.9534	Protein-tyrosine phosphatase inhibitor
1617	M	904	0.9255	Proto-oncogene tyrosine-protein kinase Fyn inhibitor
1618	M	3409	0.9754	Proto-oncogene tyrosine-protein kinase Kit inhibitor
1619	M	4740	0.9919	Proto-oncogene tyrosine-protein kinase Met inhibitor
1620	M	277	0.9566	Proto-oncogene tyrosine-protein kinase Yes inhibitor
1621	M	522	0.9793	Proto-oncogene tyrosine-protein kinase c-hck inhibitor
1622	M	1024	0.9943	Protocollagen prolyl hydroxylase inhibitor
1623	E	374	0.9607	Psychosexual dysfunction treatment
1624	EM	414	0.9461	Psychostimulant
1625	E	1339	0.9475	Pulmonary hypertension treatment
1626	M	415	0.9984	Purine nucleoside phosphorylase inhibitor
1627	M	413	0.9991	Purinergic P2 agonist

NO	GROUP	NUMBER	IAP	ACTIVITY TYPE
1628	M	6551	0.9862	Purinergic P2 antagonist
1629	M	231	0.9983	Purinergic P2T antagonist
1630	M	24	0.9992	Purinergic P2X agonist
1631	M	4719	0.9889	Purinergic P2X antagonist
1632	M	51	0.9732	Purinergic P2X1 antagonist
1633	M	94	0.9914	Purinergic P2X2 antagonist
1634	M	1592	0.9928	Purinergic P2X3 antagonist
1635	M	107	0.9870	Purinergic P2X4 antagonist
1636	M	2060	0.9936	Purinergic P2X7 antagonist
1637	M	397	0.9993	Purinergic P2Y agonist
1638	M	1730	0.9918	Purinergic P2Y antagonist
1639	M	67	0.9997	Purinergic P2Y1 agonist
1640	M	402	0.9951	Purinergic P2Y1 antagonist
1641	M	825	0.9952	Purinergic P2Y12 antagonist
1642	M	95	0.9984	Purinergic P2Y14 antagonist
1643	M	3	1.0000	Purinergic P2Y15 antagonist
1644	M	182	0.9998	Purinergic P2Y2 agonist
1645	M	41	0.9887	Purinergic P2Y2 antagonist
1646	M	92	0.9999	Purinergic P2Y4 agonist
1647	M	123	0.9999	Purinergic P2Y6 agonist
1648	M	413	0.9991	Purinergic receptor agonist
1649	MA	642	0.9445	Pyruvate kinase inhibitor
1650	M	1582	0.9616	RET inhibitor
1651	M	134	0.9192	RNA-directed DNA polymerase inhibitor
1652	M	937	0.9924	RNA-directed RNA polymerase inhibitor
1653	M	7	0.9993	RNA-directed RNA polymerase stimulant
1654	E	337	0.9044	Radioprotector
1655	E	262	0.9102	Radiosensitizer
1656	M	5573	0.9866	Raf kinase B inhibitor
1657	M	1317	0.9879	Raf kinase C inhibitor
1658	M	6698	0.9823	Raf kinase inhibitor
1659	E	107	0.9602	Raynaud's phenomenon treatment
1660	E	6223	0.9169	Renal disease treatment
1661	E	1428	0.9528	Renal failure treatment
1662	M	5062	0.9953	Renin inhibitor
1663	E	193	0.9010	Respiratory analeptic
1664	E	1958	0.9501	Restenosis treatment
1665	E	105	0.9760	Restless leg syndrome treatment
1666	MA	134	0.9958	Retinoic acid alpha receptor agonist
1667	M	262	0.9985	Retinoic acid alpha receptor antagonist
1668	M	141	0.9972	Retinoic acid beta receptor agonist
1669	M	262	0.9993	Retinoic acid beta receptor antagonist
1670	M	84	0.9968	Retinoic acid gamma receptor agonist
1671	M	348	0.9957	Retinoic acid receptor agonist
1672	M	412	0.9975	Retinoic acid receptor antagonist
1673	M	299	0.9967	Retinoic acid receptor gamma antagonist
1674	M	203	0.9941	Retinoid X alpha receptor agonist
1675	M	293	0.9866	Retinoid X alpha receptor antagonist
1676	M	83	0.9990	Retinoid X beta receptor agonist
1677	M	99	0.9958	Retinoid X beta receptor antagonist

NO	GROUP	NUMBER	IAP	ACTIVITY TYPE
1678	M	87	0.9987	Retinoid X gamma receptor agonist
1679	M	103	0.9966	Retinoid X gamma receptor antagonist
1680	M	354	0.9953	Retinoid X receptor agonist
1681	M	307	0.9861	Retinoid X receptor antagonist
1682	E	348	0.9487	Retinopathy treatment
1683	E	114	0.9665	Retinoprotector
1684	M	36	1.0000	Reverse transcriptase (HBV) inhibitor
1685	E	11043	0.8768	Rheumatoid arthritis treatment
1686	E	1596	0.9629	Rhinitis treatment
1687	M	3354	0.9809	Rho-associated kinase I inhibitor
1688	M	3482	0.9768	Rho-associated kinase II inhibitor
1689	M	5789	0.9789	Rho-associated kinase inhibitor
1690	M	350	0.9911	Ribonucleoside-diphosphate reductase inhibitor
1691	M	370	0.9906	Ribonucleotide reductase inhibitor
1692	M	1956	0.9559	Ribosomal protein S6 kinase inhibitor
1693	M	28	0.9713	Ryanodine receptor antagonist
1694	MA	233	0.9941	S-adenosyl-L-homocysteine hydrolase inhibitor
1695	M	73	0.9860	S-adenosyl-L-methionine decarboxylase inhibitor
1696	Z	43	0.9709	SULT1A1 substrate
1697	Z	24	0.9957	SULT1A2 substrate
1698	Z	18	0.9764	SULT1A3 substrate
1699	Z	6	0.9938	SULT1E1 substrate
1700	Z	9	0.9535	SULT2A1 substrate
1701	M	7908	0.9819	Secretase beta inhibitor
1702	M	2022	0.9944	Secretase gamma inhibitor
1703	T	1530	0.9409	Sedative
1704	M	356	0.9854	Selectin antagonist
1705	T	183	0.9406	Sensitization
1706	E	910	0.9315	Sepsis treatment
1707	E	1654	0.9441	Septic shock treatment
1708	E	163	0.9541	Shock treatment
1709	M	1058	0.9970	Sigma 1 receptor antagonist
1710	M	585	0.9975	Sigma 2 receptor antagonist
1711	M	26	0.9651	Sigma receptor agonist
1712	M	2240	0.9913	Sigma receptor antagonist
1713	M	143	0.9854	Sirtuin 1 inhibitor
1714	M	189	0.9975	Sirtuin 2 inhibitor
1715	E	294	0.9481	Skeletal muscle relaxant
1716	T	1140	0.9666	Skin irritative effect
1717	E	409	0.9541	Skin whitener
1718	E	190	0.9661	Sleep apnea treatment
1719	E	4737	0.9430	Sleep disorders treatment
1720	M	615	0.9894	Smo receptor antagonist
1721	M	4154	0.9636	Sodium channel (voltage-gated) blocker
1722	MA	7386	0.9603	Sodium channel blocker
1723	C	3	1.0000	Sodium-dependent vitamin C transporter 2 inhibitor
1724	MC	22	0.9534	Sodium/bile acid cotransporter inhibitor
1725	MC	141	0.9876	Sodium/calcium exchanger inhibitor
1726	C	1143	0.9957	Sodium/glucose cotransporter 1 inhibitor
1727	MC	2011	0.9959	Sodium/glucose cotransporter 2 inhibitor

NO	GROUP	NUMBER	IAP	ACTIVITY TYPE
1728	MC	2624	0.9943	Sodium/glucose cotransporter inhibitor
1729	C	686	0.9984	Sodium/hydrogen exchanger 1 inhibitor
1730	C	166	0.9995	Sodium/hydrogen exchanger 2 inhibitor
1731	C	352	0.9995	Sodium/hydrogen exchanger 3 inhibitor
1732	C	9	0.9765	Sodium/hydrogen exchanger 5 inhibitor
1733	MC	1187	0.9988	Sodium/hydrogen exchanger inhibitor
1734	M	5	0.9911	Somatostatin 1 agonist
1735	M	257	0.9904	Somatostatin 1 antagonist
1736	M	107	0.9991	Somatostatin 2 agonist
1737	M	371	0.9916	Somatostatin 2 antagonist
1738	M	94	0.9996	Somatostatin 3 agonist
1739	M	493	0.9945	Somatostatin 3 antagonist
1740	M	63	0.9839	Somatostatin 4 agonist
1741	M	337	0.9940	Somatostatin 4 antagonist
1742	M	26	0.9889	Somatostatin 5 agonist
1743	M	613	0.9955	Somatostatin 5 antagonist
1744	M	290	0.9958	Somatostatin agonist
1745	EM	1892	0.9175	Spasmolytic
1746	M	103	0.9611	Sphingomyelinase inhibitor
1747	M	2565	0.9932	Sphingosine 1-phosphate receptor 1 agonist
1748	M	795	0.9789	Sphingosine 1-phosphate receptor 1 antagonist
1749	M	33	0.9758	Sphingosine 1-phosphate receptor 2 agonist
1750	M	220	0.9505	Sphingosine 1-phosphate receptor 2 antagonist
1751	M	604	0.9957	Sphingosine 1-phosphate receptor 3 agonist
1752	M	332	0.9846	Sphingosine 1-phosphate receptor 3 antagonist
1753	M	179	0.9860	Sphingosine 1-phosphate receptor 4 agonist
1754	M	250	0.9496	Sphingosine 1-phosphate receptor 4 antagonist
1755	M	275	0.9856	Sphingosine 1-phosphate receptor 5 agonist
1756	M	200	0.9376	Sphingosine 1-phosphate receptor 5 antagonist
1757	M	3530	0.9904	Sphingosine 1-phosphate receptor agonist
1758	M	1260	0.9716	Sphingosine 1-phosphate receptor antagonist
1759	M	288	0.9926	Sphingosine kinase 1 inhibitor
1760	M	146	0.9870	Sphingosine kinase 2 inhibitor
1761	M	317	0.9891	Sphingosine kinase inhibitor
1762	M	182	0.9932	Squalene epoxidase inhibitor
1763	M	1137	0.9958	Squalene synthetase inhibitor
1764	M	9269	0.9528	Src kinase inhibitor
1765	M	1261	0.9894	Stearoyl-CoA desaturase inhibitor
1766	M	205	0.9799	Stem cell growth factor agonist
1767	M	964	0.9967	Steroid 17-alpha-hydroxylase/17,20 lyase inhibitor
1768	M	2187	0.9101	Streptokinase A inhibitor
1769	E	8569	0.8946	Stroke treatment
1770	M	2252	0.9925	Substance P antagonist
1771	MA	22	0.9510	Succinate dehydrogenase inhibitor
1772	Z	189	0.9702	Sulfotransferase substrate
1773	MA	37	0.9064	Superoxide dismutase inhibitor
1774	M	3895	0.9828	Syk tyrosine kinase inhibitor
1775	E	2445	0.9340	Systemic lupus erythematosus treatment
1776	EM	246	0.9595	T cell inhibitor
1777	M	2107	0.9770	TIE antagonist

NO	GROUP	NUMBER	IAP	ACTIVITY TYPE
1778	M	2087	0.9770	TIE-2 antagonist
1779	G	113	0.8701	TNF expression inhibitor
1780	M	1338	0.9642	TRKA antagonist
1781	M	712	0.9646	TRKB antagonist
1782	M	433	0.9430	TRKC antagonist
1783	M	170	0.9679	TRPA1 agonist
1784	M	890	0.9872	TRPA1 antagonist
1785	M	831	0.9931	TRPM8 blocker
1786	M	932	0.9740	Telomerase inhibitor
1787	M	11	0.9987	Telomerase stimulant
1788	T	1561	0.9264	Teratogen
1789	C	36	1.0000	Tetracycline antiport transporter antagonist
1790	M	26	0.9969	Thiazolidinedione
1791	M	690	0.9378	Thiol protease inhibitor
1792	M	5533	0.8973	Thioredoxin glutathione reductase inhibitor
1793	M	128	0.9666	Thioredoxin inhibitor
1794	M	192	0.9593	Thioredoxin reductase inhibitor
1795	M	5887	0.9774	Thrombin inhibitor
1796	M	174	0.9889	Thrombin receptor antagonist
1797	EM	840	0.9590	Thrombolytic
1798	M	298	0.9994	Thrombopoietin agonist
1799	MA	24	0.9999	Thromboxane A2 agonist
1800	M	770	0.9905	Thromboxane A2 antagonist
1801	M	65	0.9998	Thromboxane agonist
1802	M	1552	0.9895	Thromboxane antagonist
1803	M	1643	0.9846	Thromboxane synthase inhibitor
1804	M	145	0.9928	Thymidine kinase (Herpes simplex virus 1) inhibitor
1805	M	128	0.9978	Thymidine kinase (Herpes simplex virus 2) inhibitor
1806	M	384	0.9888	Thymidine kinase inhibitor
1807	M	225	0.9934	Thymidine phosphorylase inhibitor
1808	M	1630	0.9914	Thymidylate synthase inhibitor
1809	MA	276	0.9948	Thyroid hormone agonist
1810	MA	52	0.9997	Thyroid hormone alpha agonist
1811	M	187	0.9983	Thyroid hormone alpha antagonist
1812	M	2247	0.8933	Thyroid hormone antagonist
1813	MA	225	0.9998	Thyroid hormone beta agonist
1814	M	2147	0.8940	Thyroid hormone beta antagonist
1815	E	145	0.9764	Tocolytic
1816	M	49	0.9994	Toll-Like receptor 2 agonist
1817	M	75	0.9601	Toll-Like receptor 2 antagonist
1818	M	7	0.9982	Toll-Like receptor 3 antagonist
1819	M	61	0.9827	Toll-Like receptor 4 agonist
1820	M	99	0.9682	Toll-Like receptor 4 antagonist
1821	M	17870	0.8829	Toll-Like receptor 7 agonist
1822	M	325	0.9870	Toll-Like receptor 7 antagonist
1823	M	308	0.9943	Toll-Like receptor 8 agonist
1824	M	255	0.9827	Toll-Like receptor 8 antagonist
1825	M	359	0.9585	Toll-Like receptor 9 antagonist
1826	M	18091	0.8831	Toll-Like receptor agonist
1827	M	808	0.9506	Toll-Like receptor antagonist

NO	GROUP	NUMBER	IAP	ACTIVITY TYPE
1828	MA	1496	0.9729	Topoisomerase I inhibitor
1829	MA	455	0.9739	Topoisomerase II alpha inhibitor
1830	M	142	0.9696	Topoisomerase II beta inhibitor
1831	M	1756	0.9658	Topoisomerase II inhibitor
1832	E	172	0.9738	Tourette's syndrome treatment
1833	T	15	0.9394	Toxic, respiratory center
1834	M	29	0.9999	Transcortin receptor antagonist
1835	M	420	0.9822	Transcription factor AP-1 inhibitor
1836	M	1621	0.8935	Transcription factor NF kappa B inhibitor
1837	M	48	0.9628	Transcription factor NF kappa B stimulant
1838	M	72	0.9666	Transcription factor RelA inhibitor
1839	M	1008	0.8981	Transcription factor STAT inhibitor
1840	M	794	0.9078	Transcription factor STAT3 inhibitor
1841	M	180	0.9410	Transcription factor STAT6 inhibitor
1842	M	24513	0.8529	Transcription factor inhibitor
1843	M	1897	0.9738	Transforming growth factor antagonist
1844	M	1684	0.9839	Transforming growth factor beta 1 antagonist
1845	M	140	0.9777	Transforming growth factor beta 2 antagonist
1846	M	56	0.9539	Transforming growth factor beta 3 antagonist
1847	E	4198	0.9273	Transplant rejection treatment
1848	MA	23	0.9914	Triose-phosphate isomerase inhibitor
1849	M	1408	0.9940	Trypsin I inhibitor
1850	M	189	0.9967	Trypsin II inhibitor
1851	M	2856	0.9720	Trypsin inhibitor
1852	M	534	0.9923	Tryptase inhibitor
1853	M	321	0.9906	Tryptophan 5 hydroxylase inhibitor
1854	M	289	0.9947	Tryptophan hydroxylase 1 inhibitor
1855	M	33	0.9962	Tubulin agonist
1856	M	3283	0.9621	Tubulin antagonist
1857	EM	3600	0.9242	Tumour necrosis factor alpha release inhibitor
1858	M	1319	0.9344	Tumour necrosis factor antagonist
1859	M	2133	0.9849	Tyk2 inhibitor
1860	MA	12	0.9054	Tyrosine 3 hydroxylase inhibitor
1861	M	40586	0.9423	Tyrosine kinase inhibitor
1862	M	2170	0.9874	Tyrosine-protein kinase EMT inhibitor
1863	M	4449	0.9684	Tyrosine-protein kinase receptor FLT3 inhibitor
1864	M	1797	0.9601	Tyrosine-protein kinase receptor antagonist
1865	M	22	0.9643	UDP-N-acetylglucosamine 1-carboxyvinyltransferase inhibitor
1866	MA	30	0.9761	UDP-glucose 4-epimerase inhibitor
1867	Z	866	0.9420	UDP-glucuronosyltransferase substrate
1868	Z	127	0.9384	UGT1A1 substrate
1869	Z	125	0.9463	UGT1A3 substrate
1870	Z	129	0.9493	UGT1A4 substrate
1871	Z	93	0.9140	UGT1A6 substrate
1872	Z	106	0.8987	UGT1A9 substrate
1873	Z	99	0.9716	UGT2B1 substrate
1874	Z	20	0.9234	UGT2B10 substrate
1875	Z	37	0.9629	UGT2B11 substrate
1876	Z	87	0.9523	UGT2B15 substrate
1877	Z	38	0.8945	UGT2B4 substrate

NO	GROUP	NUMBER	IAP	ACTIVITY TYPE
1878	Z	147	0.9440	UGT2B7 substrate
1879	Z	40	0.9470	UGT2B9 substrate
1880	T	65	0.8676	Ulceration
1881	MC	344	0.9975	Urate transporter 1 inhibitor
1882	M	325	0.9725	Urease inhibitor
1883	EM	762	0.9702	Uric acid excretion stimulant
1884	M	132	0.9985	Uridine phosphorylase inhibitor
1885	E	3548	0.9540	Urinary incontinence treatment
1886	M	1112	0.9917	Urokinase inhibitor
1887	E	1389	0.9447	Urolithiasis treatment
1888	E	5060	0.9229	Urologic disorders treatment
1889	M	173	0.9968	Urotensin II agonist
1890	M	532	0.9988	Urotensin II antagonist
1891	E	129	0.9799	Uterine relaxant
1892	E	45	0.9724	Uterine stimulant
1893	M	441	0.9882	VCAM antagonist
1894	M	440	0.9883	VCAM-1 antagonist
1895	G	96	0.9266	VCAM1 expression inhibitor
1896	G	57	0.9074	VEGF expression inhibitor
1897	G	28	0.9802	VEGFR2 expression inhibitor
1898	M	1120	0.9970	VLA-4 antagonist
1899	M	116	0.9459	Vanilloid 1 agonist
1900	M	903	0.9805	Vanilloid 1 antagonist
1901	M	7	1.0000	Vanilloid 2 agonist
1902	M	96	0.9803	Vanilloid 2 antagonist
1903	M	79	0.9880	Vanilloid 3 antagonist
1904	M	28	0.9876	Vanilloid 4 agonist
1905	M	524	0.9911	Vanilloid 4 antagonist
1906	M	284	0.9706	Vanilloid agonist
1907	M	3319	0.9829	Vanilloid antagonist
1908	E	2504	0.9285	Vascular (periferal) disease treatment
1909	M	256	0.9947	Vascular adhesion protein 1 inhibitor
1910	E	278	0.9755	Vascular dementia treatment
1911	M	2239	0.9681	Vascular endothelial growth factor 1 antagonist
1912	M	15761	0.9676	Vascular endothelial growth factor 2 antagonist
1913	M	1339	0.9578	Vascular endothelial growth factor 3 antagonist
1914	M	16788	0.9621	Vascular endothelial growth factor antagonist
1915	E	357	0.9661	Vasculitis treatment
1916	EM	1952	0.9188	Vasodilator
1917	EM	288	0.8900	Vasodilator, coronary
1918	EM	225	0.8884	Vasodilator, peripheral
1919	M	165	0.9893	Vasopressin 1 agonist
1920	M	1724	0.9959	Vasopressin 1 antagonist
1921	MA	108	0.9850	Vasopressin 1A agonist
1922	M	1492	0.9967	Vasopressin 1A antagonist
1923	MA	130	1.0000	Vasopressin 1B agonist
1924	M	425	0.9975	Vasopressin 1B antagonist
1925	M	310	0.9985	Vasopressin 2 agonist
1926	M	1041	0.9940	Vasopressin 2 antagonist
1927	C	176	0.9918	Vesicle monoamine transporter inhibitor

NO	GROUP	NUMBER	IAP	ACTIVITY TYPE
1928	C	149	0.9990	Vesicular acetylcholine transporter inhibitor
1929	C	4	1.0000	Vesicular glutamate transport inhibitor
1930	EM	156	0.9675	Viral attachment inhibitor
1931	M	143	0.9960	Vitamin D receptor agonist
1932	M	224	0.9893	Vitamin D receptor antagonist
1933	M	170	0.9999	Vitamin D-like
1934	M	1844	0.9962	Vitronectin receptor antagonist
1935	E	1242	0.9399	Wound healing agent
1936	M	843	0.9885	Xanthine dehydrogenase inhibitor
1937	M	616	0.9665	Xanthine oxidase inhibitor
1938	Z	42	0.9806	Xanthine oxidase substrate
1939	M	958	0.9831	ZAP-70 protein tyrosine kinase inhibitor
1940	M	4665	0.9676	c-Src kinase inhibitor
1941	M	203	0.9565	mTOR complex 1 inhibitor
1942	M	49	0.9580	mTOR complex 2 inhibitor
1943	M	7281	0.9858	mTOR inhibitor
1944	M	855	0.9783	p38 MAP kinase inhibitor
1945	M	429	0.9876	p53 inhibitor

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