

**Table S7.** Training set for building a consensus ensemble multitarget neural network model of anxiolytic activity of chemical compounds relevant to chemotypes of nitrogen-containing condensed heterocycles.

Mol_ID	Code	Levels	LevH	LevHM	Leva	ADRA1A	ADRA1B	ADRA2A	ADRA2B	AGTR1	GABA-A-GABA	GABA-A-Benz	HTR1A	HTR2A-Spec	HTR2A-Allo	HTR4	HTR7	MTNR1A	MTNR1B	NMDA-Glut	NMDA-Ca	SLC18A2	Sample1	Sample2	Sample3	Sample4	Sample5	Sample6	Sample7
1	CHEMBL323519	high	h	hm	a	-6.4	-7.7	-7.6	-5.6	-8.8	-6.6	-8.3	-7.8	-7.5	-8.9	-8.1	-7.1	-7.6	-6.9	-7.2	-7.0	-4.3	train	val	test	train	train	train	train
2	CHEMBL204240	high	h	hm	a	-7.5	-7.1	-7.6	-5.1	-7.8	-6.4	-8.5	-7.8	-6.8	-8.2	-8.2	-7.6	-8.6	-7.8	-6.7	-6.4	-4.1	train	train	train	val	test	train	train
3	CHEMBL314608	high	h	hm	a	-6.4	-7.3	-7.8	-5.6	-7.9	-6.3	-8.3	-7.9	-7.0	-8.4	-8.1	-7.7	-8.0	-8.5	-7.0	-6.2	-5.0	train	train	train	val	test	train	train
4	CHEMBL319178	high	h	hm	a	-8.1	-8.7	-10.4	-6.5	-9.7	-7.5	-10.1	-10.4	-8.5	-11.1	-9.7	-9.7	-9.6	-8.5	-8.6	-8.7	-5.8	train	train	train	train	val	test	train
5	CHEMBL153823	high	h	hm	a	-7.7	-7.0	-8.2	-9.2	-8.1	-6.5	-8.8	-7.7	-6.9	-8.6	-7.8	-8.6	-8.4	-8.9	-7.3	-7.4	-5.9	train	train	train	train	train	val	test
6	CHEMBL3246317	high	h	hm	a	-8.3	-8.2	-8.5	-8.1	-8.9	-7.7	-10.1	-9.1	-7.9	-9.7	-9.2	-9.4	-8.2	-9.6	-7.0	-7.2	-5.4	test	train	train	train	train	train	val
7	CHEMBL98258	high	h	hm	a	-8.5	-8.6	-10.6	-6.6	-9.6	-7.7	-10.4	-10.7	-8.7	-11.4	-10.2	-9.8	-8.7	-7.4	-8.4	-8.9	-5.9	val	test	train	train	train	train	train
8	CHEMBL155270	high	h	hm	a	-7.9	-7.2	-8.4	-8.9	-7.7	-6.2	-8.7	-7.7	-6.8	-8.4	-7.6	-8.4	-8.2	-8.5	-7.1	-7.4	-4.6	train	val	test	train	train	train	train
9	CHEMBL86611	high	h	hm	a	-7.3	-7.1	-7.2	-6.5	-7.3	-6.2	-7.7	-7.7	-6.5	-8.2	-7.8	-7.3	-7.9	-8.0	-6.7	-6.1	-4.6	train	train	val	test	train	train	train
10	CHEMBL87790	high	h	hm	a	-7.1	-6.9	-6.8	-6.7	-7.2	-6.1	-7.6	-7.1	-6.1	-8.0	-7.4	-7.2	-8.3	-8.0	-6.3	-5.7	-4.4	train	train	train	val	test	train	train
11	CHEMBL319966	high	h	hm	a	-9.0	-8.5	-9.4	-7.1	-9.0	-7.9	-9.3	-9.2	-7.6	-10.5	-8.7	-9.3	-9.9	-9.4	-7.5	-7.8	-5.1	train	train	train	train	val	test	train
12	CHEMBL88106	high	h	hm	a	-7.3	-7.1	-7.0	-6.0	-7.5	-6.4	-8.1	-7.7	-6.5	-8.2	-7.8	-7.5	-8.1	-8.1	-6.4	-6.1	-4.6	train	train	train	train	train	val	test
13	CHEMBL86557	high	h	hm	a	-7.6	-7.1	-7.5	-5.9	-7.8	-6.7	-8.0	-8.1	-6.8	-8.4	-8.0	-7.7	-8.7	-8.3	-6.6	-6.6	-4.7	test	train	train	train	train	train	val
14	CHEMBL2263293	high	h	hm	a	-8.3	-7.9	-8.6	-6.3	-8.6	-8.0	-9.6	-9.1	-8.0	-9.9	-8.6	-7.6	-7.5	-8.3	-7.4	-7.1	-4.5	val	test	train	train	train	train	train
15	CHEMBL20042	high	h	hm	a	-8.7	-8.4	-9.4	-6.1	-9.4	-7.0	-9.6	-9.1	-7.4	-10.0	-8.6	-7.9	-8.1	-9.3	-8.0	-7.6	-5.4	train	val	test	train	train	train	train
16	CHEMBL101304	high	h	hm	a	-7.4	-8.6	-7.7	-5.4	-8.3	-6.5	-8.4	-8.0	-7.5	-9.8	-8.3	-7.7	-9.5	-9.8	-6.9	-6.9	-4.4	train	train	val	test	train	train	train
17	CHEMBL2263296	high	h	hm	a	-8.3	-8.0	-9.5	-6.7	-9.5	-8.7	-9.9	-9.8	-8.3	-9.9	-8.5	-8.3	-8.2	-8.4	-7.7	-8.1	-5.3	train	train	train	val	test	train	train
18	CHEMBL260994	high	h	hm	a	-8.2	-8.6	-9.1	-6.3	-9.7	-7.5	-9.9	-9.5	-7.9	-9.8	-8.7	-8.8	-8.2	-8.8	-8.2	-8.2	-5.4	train	train	train	val	test	train	train
19	CHEMBL347801	high	h	hm	a	-8.0	-7.3	-8.6	-8.7	-8.2	-6.6	-9.0	-8.0	-7.1	-8.8	-8.0	-9.0	-8.7	-9.1	-7.5	-7.7	-4.8	train	train	train	train	train	val	test
20	CHEMBL4093093	high	h	hm	a	-8.3	-8.2	-8.9	-6.0	-9.6	-7.1	-9.5	-9.3	-8.2	-9.7	-8.6	-8.3	-8.7	-9.0	-7.7	-7.3	-5.2	test	train	train	train	train	train	val
21	CHEMBL661	high	h	hm	a	-8.7	-8.4	-8.6	-8.1	-9.3	-7.3	-10.6	-9.3	-8.2	-9.3	-9.5	-10.1	-9.2	-9.9	-7.1	-7.6	-5.5	val	test	train	train	train	train	train
22	CHEMBL562219	high	h	hm	a	-8.0	-7.4	-8.1	-5.1	-8.8	-6.4	-8.0	-8.1	-7.1	-8.9	-8.4	-8.5	-9.1	-9.5	-6.6	-6.7	-4.6	train	val	test	train	train	train	train
23	CHEMBL2263292	high	h	hm	a	-8.3	-7.9	-8.7	-6.4	-8.9	-7.3	-9.7	-9.1	-8.0	-9.8	-8.5	-7.9	-7.6	-8.2	-7.6	-7.5	-4.5	train	train	val	test	train	train	train
24	CHEMBL470786	high	h	hm	a	-7.5	-7.3	-8.2	-6.1	-8.3	-6.5	-8.8	-7.7	-7.1	-8.2	-8.1	-7.5	-7.7	-8.0	-7.3	-6.7	-4.4	train	train	train	val	test	train	train
25	CHEMBL469737	high	h	hm	a	-8.3	-7.3	-9.0	-6.1	-9.1	-7.1	-9.7	-8.1	-7.4	-11.1	-8.7	-6.8	-9.5	-7.0	-7.8	-7.6	-2.9	train	train	train	val	test	train	train
26	CHEMBL378298	high	h	hm	a	-8.0	-8.8	-9.4	-6.2	-9.0	-7.4	-9.4	-9.3	-8.6	-10.6	-8.9	-8.7	-8.8	-7.6	-7.8	-8.7	-2.9	train	train	train	train	train	val	test
27	CHEMBL646	high	h	hm	a	-8.9	-8.7	-8.6	-8.2	-9.1	-7.5	-10.2	-8.5	-8.6	-9.5	-9.2	-9.5	-9.0	-9.8	-7.2	-7.7	-5.8	test	train	train	train	train	train	val
28	Diazepam	high	h	hm	a	-7.0	-8.2	-8.4	-8.2	-8.8	-6.8	-9.4	-8.3	-7.5	-8.8	-8.5	-9.3	-9.2	-9.0	-7.4	-7.1	-4.9	val	test	train	train	train	train	train
29	Phenazepam	high	h	hm	a	-7.8	-8.0	-9.1	-8.3	-8.8	-6.9	-10.4	-8.1	-7.7	-8.7	-8.3	-9.3	-8.9	-9.7	-6.7	-7.1	-5.1	train	val	test	train	train	train	train
30	Tofisopam	high	h	hm	a	-6.4	-8.1	-7.5	-5.8	-8.4	-6.7	-8.4	-8.4	-7.4	-8.7	-9.2	-7.1	-8.1	-10.3	-6.9	-6.7	-3.3	train	train	val	test	train	train	train
31	CHEMBL470788	moderate	nh	hm	a	-8.1	-7.3	-7.5	-5.9	-8.4	-7.1	-8.9	-7.7	-7.2	-8.8	-8.8	-7.2	-6.7	-8.4	-7.1	-7.1	-4.6	train	train	val	test	train	train	train
32	CHEMBL471822	moderate	nh	hm	a	-7.8	-7.4	-8.5	-6.1	-8.3	-6.4	-8.6	-7.8	-6.9	-9.1	-8.6	-7.5	-7.9	-7.8	-7.4	-7.0	-4.3	train	train	train	train	train	val	test
33	CHEMBL470787	moderate	nh	hm	a	-8.3	-8.3	-8.3	-7.6	-8.5	-7.2	-9.3	-8.6	-7.4	-9.3	-8.7	-7.8	-7.9	-9.1	-7.6	-7.6	-5.0	train	train	train	train	train	val	test
34	CHEMBL204040	moderate	nh	hm	a	-7.2	-7.1	-7.7	-5.3	-7.8	-6.3	-8.5	-7.6	-7.0	-8.4	-8.0	-7.6	-8.4	-7.9	-6.6	-6.3	-4.1	test	train	train	train	train	train	val
35	CHEMBL154043	moderate	nh	hm	a	-7.4	-7.4	-8.3	-8.7	-7.7	-6.7	-8.6	-7.6	-6.9	-8.4	-7.8	-8.3	-8.1	-8.5	-7.2	-7.0	-5.8	val	test	train	train	train	train	train
36	CHEMBL283993	moderate	nh	hm	a	-8.0	-7.8	-8.9	-6.0	-9.4	-7.0	-9.5	-8.3	-7.4	-10.9	-9.0	-8.4	-8.8	-8.5	-7.5	-7.7	-5.2	train	val	test	train	train	train	train
37	CHEMBL314823	moderate	nh	hm	a	-6.8	-6.7	-6.9	-7.2	-7.0	-5.8	-8.0	-7.3	-6.2	-7.5	-7.5	-7.0	-7.4	-7.5	-6.2	-5.6	-4.6	train	train	val	test	train	train	train
38	CHEMBL315419	moderate	nh	hm	a	-6.9	-7.0	-6.9	-5.7	-7.0	-5.9	-7.7	-7.4	-6.3	-7.7	-7.3	-6.8	-7.3	-7.4	-6.2	-5.6	-4.3	train	train	train	val	test	train	train
39	CHEMBL3246236	moderate	nh	hm	a	-7.0	-7.5	-7.7	-7.7	-8.2	-6.5	-9.1	-8.0	-7.5	-9.3	-8.3	-8.2	-9.0	-8.6	-7.3	-7.2	-4.5	train	train	train	train	val	test	train
40	CHEMBL328250	moderate	nh	hm	a	-8.1	-8.5	-8.3	-6.0	-9.1	-7.0	-9.9	-9.2	-7.6	-9.0	-8.0	-7.0	-8.0	-8.7	-6.9	-7.0	-5.5	train	train	train	train	train	val	test
41	CHEMBL411663	moderate	nh	hm	a	-8.6	-8.3	-9.2	-6.4	-9.6	-7.1	-10.0	-9.5	-8.2	-10.2	-8.6	-9.0	-8.4	-9.3	-8.1	-8.2	-5.2	test	train	train	train	train	train	val
42	CHEMBL420977	moderate	nh	hm	a	-7.2	-7.0	-6.9	-6.5	-7.1	-6.2	-7.8	-7.4	-6.3	-7.9	-7.6	-7.3	-7.9	-7.9	-6.3	-5.9	-4.6	val	test	train	train	train	train	train
43	CHEMBL431020	moderate	nh	hm	a	-7.1	-6.9	-7.3	-6.5	-7.4	-6.1	-7.9	-7.6	-6.5	-7.9	-7.7	-7.3	-7.7	-8.1	-6.4	-6.1	-4.6	train	val	test	train	train	train	train
44	CHEMBL523	moderate	nh	hm	a	-7.9	-7.9	-8.3	-8.2	-8.0	-8.5	-9.6	-8.3	-7.1	-8.7	-8.6	-9.4	-9.4	-9.1	-7.0	-7.3	-4.7	train	train	val	test	train	train	train
45	CHEMBL83085	moderate	nh	hm	a	-7.2	-6.9	-7.3	-6.3	-7.5	-6.1	-7.5	-7.7	-6.4	-8.1	-7.9	-7.0	-8.1	-8.0	-6.4	-5.9	-4.4	train	train	train	val	test	train	train
46	CHEMBL83349	moderate	nh	hm	a	-7.0	-7.1	-7.0	-6.4	-7.1	-6.1	-7.7	-7.4	-6.3	-7.9	-7.6	-6.9	-7.9	-7.6	-6.2	-5.8	-4.2	train	train	train	val	test	train	train

65	CHEMBL314033	moderate	nh	hm	a	-6.7	-6.8	-7.1	-6.2	-7.2	-5.7	-7.7	-7.2	-6.6	-7.9	-7.6	-6.9	-7.8	-7.6	-6.2	-6.1	-4.3	train	train	val	test	train	train	train
66	CHEMBL99303	moderate	nh	hm	a	-8.6	-8.6	-10.0	-6.7	-9.3	-7.7	-9.6	-10.8	-8.7	-11.4	-9.7	-8.9	-8.1	-7.1	-8.2	-8.6	5.9	train	train	train	val	test	train	train
67	CHEMBL345344	moderate	nh	hm	a	-7.8	-6.8	-8.0	-9.0	-7.5	-6.0	-8.5	-7.3	-6.6	-8.1	-7.3	-8.0	-7.9	-8.3	-7.0	-7.0	-5.6	train	train	train	train	val	test	train
68	CHEMBL87973	moderate	nh	hm	a	-7.2	-6.9	-7.3	-6.0	-7.4	-6.3	-7.8	-7.8	-6.5	-8.1	-7.7	-7.1	-8.5	-7.9	-6.5	-6.3	-4.5	train	train	train	train	train	train	val
69	CHEMBL207493	moderate	nh	hm	a	-7.3	-8.5	-8.7	-6.6	-9.3	-7.1	-9.0	-8.9	-8.5	-9.6	-9.0	-8.3	-8.5	-7.9	-7.8	-8.4	-4.2	test	train	train	train	train	train	val
70	CHEMBL21825	moderate	nh	hm	a	-7.7	-9.5	-9.7	-5.8	-9.9	-7.7	-9.4	-9.8	-9.6	-10.3	-9.4	-8.8	-8.7	-7.1	-8.4	-8.8	-2.9	val	test	train	train	train	train	train
71	CHEMBL87598	moderate	nh	hm	a	-6.7	-6.9	-7.0	-5.2	-7.7	-5.9	-8.1	-7.4	-6.8	-7.8	-7.5	-7.0	-7.9	-8.0	-6.0	-6.3	-4.6	train	val	test	train	train	train	train
72	CHEMBL261209	moderate	nh	hm	a	-8.1	-8.6	-9.0	-6.3	-9.7	-7.3	-10.1	-9.6	-8.2	-9.9	-8.9	-9.5	-8.6	-8.9	-8.4	-8.3	-5.4	train	train	val	test	train	train	train
73	CHEMBL2263295	moderate	nh	hm	a	-7.9	-7.7	-9.0	-6.1	-9.0	-8.4	-9.6	-8.7	-7.8	-9.3	-7.9	-8.5	-8.0	-8.2	-7.4	-7.3	-6.0	train	train	train	val	test	train	train
74	CHEMBL86761	moderate	nh	hm	a	-6.4	-6.7	-7.1	-5.1	-7.3	-5.8	-7.3	-7.3	-6.3	-7.7	-7.5	-7.3	-7.2	-7.1	-6.0	-6.0	-4.1	train	train	train	val	test	train	train
75	CHEMBL2263297	moderate	nh	hm	a	-7.7	-7.6	-8.7	-6.0	-8.8	-8.4	-9.6	-8.7	-7.6	-9.1	-7.7	-7.8	-7.1	-7.3	-7.3	-7.2	-5.5	train	train	train	train	train	val	test
76	CHEMBL2263294	moderate	nh	hm	a	-8.2	-7.7	-8.6	-6.6	-8.6	-8.5	-9.9	-9.1	-8.0	-9.8	-8.2	-8.1	-7.8	-7.8	-7.8	-7.8	-4.7	test	train	train	train	train	train	val
77	CHEMBL2263298	moderate	nh	hm	a	-8.3	-7.8	-8.6	-6.1	-8.7	-8.2	-9.4	-8.3	-7.9	-9.4	-7.9	-8.4	-8.5	-8.6	-7.6	-7.2	-5.6	val	test	train	train	train	train	train
78	CHEMBL445	moderate	nh	hm	a	-8.8	-8.1	-8.1	-8.5	-8.7	-7.4	-8.1	-8.2	-7.6	-8.9	-8.3	-9.3	-9.4	-10.1	-6.7	-7.8	-4.5	train	val	test	train	train	train	train
79	CHEMBL87115	moderate	nh	hm	a	-6.8	-6.6	-7.3	-8.0	-7.2	-5.8	-7.6	-7.1	-6.4	-7.4	-7.0	-7.5	-7.7	-7.4	-6.2	-5.7	-5.9	train	train	val	test	train	train	train
80	CHEMBL471820	moderate	nh	hm	a	-7.4	-7.5	-8.2	-6.2	-8.2	-6.9	-9.0	-7.9	-7.3	-8.8	-8.6	-7.2	-7.8	-7.6	-7.3	-6.9	-4.7	train	train	train	val	test	train	train
81	CHEMBL3277547	moderate	nh	hm	a	-7.5	-7.6	-7.8	-5.4	-7.4	-7.0	-9.0	-7.6	-7.2	-8.0	-7.7	-7.5	-8.6	-8.1	-6.5	-6.8	-4.4	train	train	train	train	val	test	train
82	CHEMBL4098854	moderate	nh	hm	a	-7.9	-9.9	-9.1	-6.8	-9.3	-8.2	-10.1	-8.8	-8.9	-10.2	-9.6	-8.8	-7.9	-9.8	-8.1	-8.1	-4.6	train	train	train	train	train	val	test
83	CHEMBL4099053	moderate	nh	hm	a	-7.6	-8.4	-8.5	-5.9	-8.2	-7.0	-8.0	-8.2	-8.1	-9.4	-9.1	-6.6	-8.4	-8.1	-7.8	-7.1	-5.6	test	train	train	train	train	train	val
84	CHEMBL585105	moderate	nh	hm	a	-7.9	-8.7	-9.2	-6.6	-8.8	-7.3	-9.7	-9.9	-8.4	-10.5	-8.9	-8.1	-8.9	-7.0	-7.9	-8.0	-4.9	val	test	train	train	train	train	train
85	CHEMBL509913	moderate	nh	hm	a	-9.7	-9.5	-9.8	-6.9	-9.7	-7.8	-10.8	-10.0	-8.5	-11.3	-10.7	-8.7	-8.6	-8.6	-8.9	-8.3	-5.7	train	val	test	train	train	train	train
86	CHEMBL513711	moderate	nh	hm	a	-7.1	-7.0	-9.1	-6.7	-9.0	-7.0	-9.2	-8.5	-7.7	-11.1	-8.6	-7.2	-9.0	-6.8	-7.9	-7.8	-1.2	train	train	val	test	train	train	train
87	CHEMBL86304	moderate	nh	hm	a	-7.1	-6.6	-7.3	-6.4	-7.2	-6.0	-8.0	-7.1	-6.4	-7.7	-7.2	-7.1	-7.4	-7.4	-6.3	-6.1	-4.0	train	train	train	val	test	train	train
88	CHEMBL204091	moderate	nh	hm	a	-7.8	-7.0	-7.5	-5.5	-7.9	-6.1	-8.8	-7.7	-6.6	-8.3	-7.5	-7.4	-8.8	-8.9	-6.8	-6.4	-4.1	train	train	train	train	val	test	train
89	CHEMBL517725	moderate	nh	hm	a	-7.9	-10.0	-9.8	-6.3	-9.7	-8.1	-10.2	-9.9	-8.4	-9.7	-9.9	-7.7	-11.4	-9.9	-8.5	-8.8	-5.2	train	train	train	train	train	val	test
90	CHEMBL1949963	moderate	nh	hm	a	-8.2	-8.6	-9.4	-6.4	-8.9	-7.4	-10.0	-9.3	-8.6	-10.8	-9.2	-9.1	-8.7	-9.7	-8.1	-8.1	-5.0	test	train	train	train	train	train	val
91	CHEMBL4068928	moderate	nh	hm	a	-8.1	-9.8	-9.3	-6.9	-9.6	-8.6	-10.4	-9.4	-9.3	-10.1	-9.4	-9.0	-10.5	-10.9	-8.2	-8.6	-4.7	val	test	train	train	train	train	train
92	CHEMBL443986	moderate	nh	hm	a	-6.9	-7.5	-8.5	-5.5	-8.0	-6.4	-9.1	-8.0	-7.1	-8.1	-8.0	-6.8	-7.1	-8.6	-7.2	-6.3	-4.2	train	val	test	train	train	train	train
93	CHEMBL49	moderate	nh	hm	a	-7.7	-8.8	-8.1	-6.2	-8.8	-7.0	-8.8	-8.8	-8.3	-9.5	-8.7	-7.9	-7.3	-7.9	-7.5	-7.8	-4.6	train	train	val	test	train	train	train
94	Afobazol	moderate	nh	hm	a	-6.5	-6.5	-7.2	-5.0	-7.5	-5.9	-7.3	-7.1	-6.7	-7.4	-7.1	-7.6	-7.0	-6.2	-6.0	-4.1	train	train	train	val	test	train	train	
95	CHEMBL315315	low	nh	nhm	a	-5.8	-6.3	-6.3	-6.7	-7.0	-5.4	-7.5	-6.9	-6.1	-7.3	-7.2	-6.5	-7.0	-7.2	-5.9	-5.5	-3.9	train	train	train	train	val	test	train
96	CHEMBL315768	low	nh	nhm	a	-6.2	-6.4	-6.8	-6.9	-7.1	-5.6	-7.4	-7.0	-6.2	-7.4	-7.1	-6.5	-7.6	-7.6	-6.2	-5.6	-4.4	train	train	train	train	train	val	test
97	CHEMBL412630	low	nh	nhm	a	-6.0	-7.0	-6.9	-4.8	-7.5	-5.8	-6.6	-7.0	-6.8	-7.2	-7.3	-6.0	-8.4	-7.8	-5.8	-5.6	-3.6	test	train	train	train	train	train	val
98	CHEMBL204581	low	nh	nhm	a	-8.5	-7.8	-8.9	-5.8	-8.5	-6.6	-9.3	-8.5	-7.1	-9.4	-8.1	-8.3	-9.6	-9.7	-7.7	-7.2	-4.9	val	test	train	train	train	train	train
99	CHEMBL203902	low	nh	nhm	a	-8.2	-7.5	-8.6	-5.7	-8.3	-6.2	-8.9	-7.9	-6.7	-9.2	-7.8	-8.0	-9.2	-9.0	-7.1	-7.3	-4.7	train	val	test	train	train	train	train
100	CHEMBL3144798	low	nh	nhm	a	-8.6	-7.4	-9.0	-7.6	-8.3	-6.6	-9.4	-8.8	-7.0	-9.1	-7.9	-8.6	-9.5	-9.2	-7.4	-7.6	-5.1	train	train	val	test	train	train	train
101	CHEMBL87509	low	nh	nhm	a	-7.3	-7.4	-7.2	-5.7	-7.7	-6.2	-8.0	-7.9	-6.9	-8.4	-7.9	-8.2	-8.0	-8.3	-6.6	-6.5	-4.4	train	train	train	val	test	train	train
102	CHEMBL3147480	low	nh	nhm	a	-6.1	-6.1	-6.7	-6.8	-6.7	-5.6	-7.3	-6.8	-6.0	-7.3	-6.8	-7.4	-7.2	-7.6	-6.0	-5.2	-3.9	train	train	train	train	val	test	train
103	CHEMBL85228	low	nh	nhm	a	-6.5	-6.9	-7.0	-5.1	-7.4	-5.7	-7.6	-7.5	-6.6	-7.5	-7.2	-7.3	-7.6	-6.0	-5.7	-4.2	train	train	train	train	train	val	test	
104	CHEMBL413575	low	nh	nhm	a	-8.4	-7.7	-8.2	-7.2	-7.4	-6.6	-9.0	-7.9	-6.9	-8.8	-8.1	-7.7	-8.7	-8.1	-7.0	-3.7	test	train	train	train	train	train	val	
105	CHEMBL407263	low	nh	nhm	a	-9.0	-7.5	-9.9	-6.7	-9.6	-6.5	-10.8	-9.8	-7.5	-10.4	-8.3	-9.4	-8.9	-10.2	-8.1	-8.1	-5.5	val	test	train	train	train	train	train
106	CHEMBL87251	low	nh	nhm	a	-6.4	-6.6	-6.9	-6.3	-7.4	-6.2	-7.8	-7.6	-6.5	-8.1	-7.7	-7.0	-8.1	-8.0	-6.6	-6.1	-4.7	train	val	test	train	train	train	train
107	CHEMBL204081	low	nh	nhm	a	-7.7	-8.1	-7.8	-5.7	-8.0	-6.7	-8.7	-8.3	-7.3	-8.3	-7.7	-8.2	-8.3	-7.6	-6.7	-6.7	-4.3	train	train	val	test	train	train	train
108	CHEMBL204748	low	nh	nhm	a	-8.3	-7.8	-8.1	-6.0	-8.0	-6.8	-9.2	-8.5	-7.1	-9.4	-7.9	-8.2	-8.5	-8.6	-7.5	-7.0	-4.7	train	train	train	val	test	train	train
109	CHEMBL206675	low	nh	nhm	a	-7.5	-7.5	-7.5	-7.0	-7.8	-6.5	-8.6	-7.8	-7.3	-8.1	-7.8	-8.1	-8.3	-8.1	-6.9	-6.3	-4.9	train	train	train	val	test	train	train
110	CHEMBL204027	low	nh	nhm	a	-7.3	-6.9	-7.7	-5.1	-7.7	-6.1	-7.8	-7.6	-7.0	-7.8	-7.8	-7.5	-8.0	-8.1	-6.6	-5.9	-4.0	train	train	train	train	train	val	test
111	CHEMBL383066	low	nh	nhm	a	-7.6	-7.1	-8.0	-6.9	-7.8	-6.4	-8.9	-7.9	-6.6	-8.1	-7.7	-7.6	-8.3	-8.2	-6.9	-6.2	-4.2	test	train	train	train	train	train	val
112	CHEMBL203708	low	nh	nhm	a	-7.2	-7.																						

131	CHEMBL206705	low	nh	nhm	a	-8.1	-7.5	-8.4	-5.7	-8.5	-6.8	-9.1	-7.8	-6.8	-9.1	-7.6	-7.7	-8.8	-8.8	-7.3	-7.1	-4.6	train	train	train	train	train	train	val	test	
132	CHEMBL30524	low	nh	nhm	a	-8.1	-7.3	-8.2	-6.5	-7.4	-6.5	-9.0	-7.4	-6.8	-8.6	-7.5	-8.0	-8.7	-7.9	-6.9	-6.6	-4.2	test	train	train	train	train	train	val	val	
133	CHEMBL203833	low	nh	nhm	a	-7.8	-7.8	-8.4	-7.7	-8.0	-6.8	-6.5	-9.3	-8.1	-6.7	-8.4	-7.6	-8.1	-8.4	-8.5	-7.1	-6.6	-4.6	val	test	train	train	train	train	train	train
134	CHEMBL155571	low	nh	nhm	a	-8.2	-6.8	-7.8	-5.2	-7.4	-6.1	-7.9	-7.7	-6.5	-8.6	-7.8	-7.6	-8.4	-8.4	-8.5	-7.0	-6.4	-4.0	train	train	val	test	train	train	train	train
135	CHEMBL204553	low	nh	nhm	a	-8.2	-6.4	-7.4	-6.9	-6.9	-7.2	-6.1	-7.6	-7.4	-6.2	-8.3	-7.4	-7.0	-8.4	-8.2	-6.7	-6.0	-4.8	train	train	train	val	test	train	train	train
136	CHEMBL85348	low	nh	nhm	a	-6.4	-7.4	-6.9	-6.9	-7.2	-6.1	-7.6	-7.4	-6.2	-8.3	-7.4	-7.0	-8.4	-8.2	-6.7	-6.0	-4.8	train								
137	CHEMBL206037	low	nh	nhm	a	-8.1	-7.1	-7.6	-5.3	-7.8	-6.2	-8.7	-7.6	-7.0	-8.1	-7.9	-7.6	-8.1	-7.8	-6.8	-6.4	-4.1	train	train	train	train	train	train	val	test	
138	CHEMBL156241	low	nh	nhm	a	-8.1	-7.3	-8.8	-9.1	-8.8	-7.0	-9.2	-8.4	-7.3	-9.2	-8.7	-9.1	-8.9	-9.5	-7.6	-7.7	-6.1	train	train	train	train	train	train	val	test	
139	CHEMBL204205	low	nh	nhm	a	-7.9	-6.8	-7.8	-5.5	-8.0	-6.1	-8.5	-7.7	-6.3	-8.4	-7.5	-7.5	-8.8	-8.4	-6.8	-6.7	-4.2	test	train	train	train	train	train	val	val	
140	CHEMBL315852	low	nh	nhm	a	-6.1	-6.1	-6.9	-6.2	-7.0	-5.5	-7.3	-7.0	-6.2	-7.4	-7.1	-7.0	-7.6	-7.7	-5.9	-5.3	-4.2	val	test	train	train	train	train	train	train	
141	CHEMBL203217	low	nh	nhm	a	-7.4	-7.1	-7.5	-5.2	-7.7	-6.4	-7.5	-7.7	-6.8	-8.0	-7.8	-7.3	-8.2	-7.7	-6.2	-6.1	-4.2	train	val	test	train	train	train	train	train	
142	CHEMBL206338	low	nh	nhm	a	-7.6	-7.2	-7.8	-6.3	-7.4	-6.1	-9.2	-7.9	-6.7	-8.5	-8.0	-7.8	-8.7	-9.0	-6.9	-6.8	-3.9	train	train	val	test	train	train	train	train	
143	CHEMBL381174	low	nh	nhm	a	-7.9	-7.3	-8.1	-5.8	-7.9	-6.5	-8.7	-7.7	-6.7	-8.6	-7.9	-7.8	-8.6	-8.4	-7.0	-6.5	-4.4	train	train	val	test	train	train	train	train	
144	CHEMBL315703	low	nh	nhm	a	-7.1	-7.3	-7.0	-6.5	-7.3	-6.4	-7.7	-7.4	-6.4	-8.0	-7.6	-7.5	-8.0	-7.8	-6.7	-5.9	-4.5	train	train	train	val	test	train	train	train	
145	CHEMBL382485	low	nh	nhm	a	-7.6	-7.0	-7.8	-6.4	-7.2	-6.3	-8.6	-7.3	-6.7	-8.2	-7.9	-7.6	-8.4	-7.8	-6.6	-6.3	-4.0	train	train	train	train	val	test	train	train	
146	CHEMBL203572	low	nh	nhm	a	-7.7	-7.1	-7.7	-5.3	-7.4	-6.4	-8.6	-7.7	-6.8	-8.4	-7.6	-7.7	-8.4	-8.0	-6.7	-6.4	-4.2	test	train	train	train	train	train	train	val	
147	CHEMBL204307	low	nh	nhm	a	-7.8	-8.1	-8.4	-6.0	-8.5	-6.7	-8.2	-8.5	-7.3	-9.3	-8.1	-8.2	-8.6	-7.8	-7.5	-7.1	-4.8	val	test	train	train	train	train	train	train	
148	CHEMBL381072	low	nh	nhm	a	-7.0	-6.5	-6.8	-6.1	-7.3	-5.4	-7.8	-6.8	-6.1	-7.4	-7.0	-7.2	-7.7	-7.9	-6.1	-6.0	-3.5	train	val	test	train	train	train	train	train	
149	CHEMBL381915	low	nh	nhm	a	-7.8	-7.4	-8.2	-5.5	-7.7	-6.5	-9.0	-7.6	-6.8	-8.8	-7.7	-7.0	-8.5	-7.8	-7.0	-6.5	-3.8	train	train	val	test	train	train	train	train	
150	CHEMBL204855	low	nh	nhm	a	-7.4	-7.1	-7.7	-7.2	-7.5	-6.2	-9.1	-8.1	-6.8	-8.5	-8.1	-7.5	-8.4	-7.8	-6.7	-6.7	-4.7	train	train	train	val	test	train	train	train	
151	CHEMBL431022	low	nh	nhm	a	-7.0	-6.9	-7.0	-6.6	-7.2	-6.2	-7.5	-7.4	-6.2	-7.8	-7.3	-7.3	-8.1	-7.9	-6.3	-6.1	-4.3	train	train	train	val	test	train	train	train	
152	CHEMBL4080811	low	nh	nhm	a	-8.0	-9.7	-9.6	-6.6	-9.2	-8.3	-10.3	-10.0	-8.7	-10.0	-9.7	-9.3	-11.1	-8.1	-8.8	-5.4	train	train	train	train	train	train	val	test		
153	CHEMBL4088680	low	nh	nhm	a	-7.8	-9.7	-9.7	-6.8	-9.7	-7.9	-10.0	-9.8	-9.7	-10.3	-10.5	-9.9	-10.4	-10.9	-8.4	-7.9	-5.6	test	train	train	train	train	train	train	val	
154	CHEMBL4095476	low	nh	nhm	a	-7.4	-9.3	-9.2	-6.7	-9.1	-8.5	-8.7	-8.6	-8.3	-10.3	-9.4	-7.3	-9.1	-8.2	-8.2	-7.5	-4.1	val	test	train	train	train	train	train	train	
155	CHEMBL85707	low	nh	nhm	a	-7.2	-7.5	-8.4	-5.7	-8.0	-6.8	-8.4	-8.1	-7.2	-8.9	-8.3	-8.0	-8.3	-7.8	-6.9	-6.8	-4.7	train	val	test	train	train	train	train	train	
156	CHEMBL382483	low	nh	nhm	a	-7.4	-7.3	-8.1	-6.2	-7.7	-6.4	-8.8	-7.6	-7.1	-8.5	-8.2	-8.0	-8.7	-7.9	-6.7	-6.5	-4.1	train	train	val	test	train	train	train	train	
157	CHEMBL3246756	low	nh	nhm	a	-7.3	-8.7	-8.3	-6.9	-8.9	-7.1	-10.2	-8.9	-7.6	-9.5	-9.1	-9.5	-9.4	-9.1	-7.6	-7.1	-5.1	train	train	train	val	test	train	train	train	
158	CHEMBL3277541	low	nh	nhm	a	-8.1	-8.1	-8.3	-5.9	-8.3	-7.5	-9.1	-8.4	-7.7	-9.0	-8.6	-8.8	-9.3	-10.0	-7.1	-7.4	-4.3	train	train	train	train	val	test	train	train	
159	CHEMBL1949977	low	nh	nhm	a	-7.7	-8.7	-9.7	-9.7	-8.0	-7.9	-11.0	-10.3	-9.6	-11.1	-9.6	-7.3	-8.7	-7.6	-8.4	-8.8	-4.7	train	train	train	train	train	train	val	test	
160	CHEMBL449929	low	nh	nhm	a	-7.8	-7.4	-8.0	-6.2	-8.1	-6.7	-8.5	-7.5	-7.0	-8.6	-8.6	-8.5	-7.5	-8.2	-7.4	-7.5	-7.0	-4.7	test	train	train	train	train	train	train	val
161	CHEMBL3360996	low	nh	nhm	a	-7.8	-8.3	-9.2	-6.3	-8.7	-7.3	-9.3	-9.2	-8.2	-9.6	-9.4	-7.9	-8.0	-7.0	-7.5	-7.6	-4.7	val	test	train	train	train	train	train	train	
162	CHEMBL3763363	active	nh	nhm	a	-7.8	-7.3	-8.4	-5.8	-8.3	-6.7	-8.5	-8.4	-7.3	-9.2	-8.2	-7.9	-8.2	-8.3	-7.0	-7.2	-4.6	train	val	test	train	train	train	train	train	
163	CHEMBL66654	active	nh	nhm	a	-7.8	-6.9	-7.5	-7.3	-7.2	-5.8	-8.4	-7.2	-6.4	-8.5	-7.2	-8.0	-7.8	-8.5	-7.0	-7.2	-4.4	train	train	val	test	train	train	train	train	
164	CHEMBL2181582	active	nh	nhm	a	-9.0	-8.9	-9.1	-6.8	-9.3	-8.1	-10.0	-9.7	-7.8	-10.2	-9.3	-8.8	-9.2	-10.1	-8.1	-7.5	-5.8	train	train	train	val	test	train	train	train	
165	CHEMBL3356152	active	nh	nhm	a	-6.9	-7.2	-8.0	-6.0	-7.9	-6.7	-8.1	-8.1	-6.5	-8.5	-8.3	-8.0	-7.8	-8.1	-6.7	-6.5	-4.3	train	train	train	train	val	test	train	train	
166	CHEMBL1828889	active	nh	nhm	a	-7.4	-7.7	-7.4	-5.2	-7.6	-6.5	-8.9	-7.6	-6.7	-8.3	-7.9	-8.0	-8.3	-8.3	-6.4	-6.3	-4.1	train	train	train	train	train	train	val	test	
167	CHEMBL3356151	active	nh	nhm	a	-7.4	-7.3	-7.9	-7.4	-8.2	-6.6	-8.2	-7.9	-7.3	-7.9	-7.6	-8.1	-8.2	-6.6	-6.4	-4.6	test	train								
168	CHEMBL3764390	active	nh	nhm	a	-7.8	-8.0	-8.5	-6.3	-8.7	-7.0	-8.7	-8.6	-7.8	-9.7	-8.5	-8.6	-8.1	-8.6	-7.3	-7.3	-4.7	val	test	train	train	train	train	train	train	
169	CHEMBL3356148	active	nh	nhm	a	-6.8	-7.0	-7.8	-5.9	-8.2	-6.5	-8.1	-7.7	-6.7	-8.0	-7.9	-7.9	-8.1	-8.2	-6.8	-6.5	-4.0	train	val	test	train	train	train	train	train	
170	CHEMBL256339	active	nh	nhm	a	-6.5	-6.1	-7.0	-5.9	-7.0	-5.7	-7.4	-6.7	-5.8	-7.1	-6.2	-6.8	-7.0	-7.5	-6.3	-5.7	-4.5	train	train	val	test	train	train	train	train	
171	CHEMBL3246238	active	nh	nhm	a	-7.0	-7.5	-7.6	-7.6	-7.9	-6.1	-9.2	-7.8	-7.3	-8.7	-7.9	-7.9	-8.6	-8.3	-7.0	-7.0	-4.4	train	train	train	val	test	train	train	train	
172	CHEMBL45	active	nh	nhm	a	-7.4	-6.6	-7.7	-8.0	-7.5	-6.0	-8.3	-7.4	-6.3	-7.4	-7.2	-8.0	-7.3	-7.8	-6.3	-6.1	-5.9	train	train	train	val	test	train	train	train	
173	CHEMBL539698	active	nh	nhm	a	-7.8	-7.8	-8.2	-5.8	-8.1	-7.2	-8.6	-8.6	-7.3	-8.9	-8.2	-7.0	-8.2	-8.3	-6.7	-6.5	-5.0	train	train	train	train	train	train	val	test	
174	CHEMBL1087164	active	nh	nhm	a	-8.1	-7.3	-8.4	-5.6	-9.6	-6.6	-7.9	-7.7	-6.9	-9.3	-8.5	-6.9	-6.5	-6.5	-7.0	-7.4	-4.4	test	train	train	train	train	train	train	val	
175	CHEMBL235327	active	nh	nhm	a	-7.4	-7.6	-7.7	-8.2	-7.6	-6.6	-8.4	-7.4	-6.5	-9.0	-7.8	-7.9	-8.8	-8.7	-6.6	-6.4	-3.9	val	test	train	train	train	train	train	train	
176	CHEMBL391604	active	nh	nhm	a	-6.4	-6.4	-7.0	-5.2	-6.2	-5.8	-7.5	-6.7	-6.0	-7.3	-6.8	-7.4	-7.1													

197	CHEMBL434	inactive	nh	nhm	na	-6.8	-5.9	-6.9	-7.7	-6.5	-5.5	-7.2	-6.2	-5.6	-6.9	-6.3	-7.0	-6.7	-7.0	-6.2	-5.4	-5.3	train	val	test	train	train	train	train	
198	CHEMBL347242	inactive	nh	nhm	na	-8.6	-8.5	-9.8	-7.8	-9.1	-7.0	-10.2	-9.4	-8.0	-10.3	-9.1	-9.9	-10.4	-10.2	-8.3	-8.4	-5.1	train	train	val	test	train	train	train	
199	CHEMBL156434	inactive	nh	nhm	na	-8.9	-8.4	-10.0	-9.7	-9.5	-7.4	-10.1	-9.8	-8.1	-10.1	-8.9	-10.2	-10.2	-10.3	-8.1	-8.4	-5.7	train	train	train	val	test	train	train	
200	CHEMBL421154	inactive	nh	nhm	na	-6.2	-7.0	-7.2	-5.2	-7.3	-5.8	-8.1	-7.2	-6.6	-8.2	-7.4	-7.3	-8.0	-8.0	-6.6	-5.9	-4.6	train	train	train	val	test	train	train	
201	CHEMBL312907	inactive	nh	nhm	na	-6.7	-6.7	-6.9	-7.0	-6.8	-5.9	-7.5	-7.2	-6.1	-7.4	-7.2	-6.9	-7.8	-7.7	-6.1	-5.7	-5.7	train	train	train	train	train	val	test	
202	CHEMBL155168	inactive	nh	nhm	na	-7.6	-7.1	-8.2	-9.0	-8.0	-6.5	-8.9	-7.8	-6.8	-8.5	-7.8	-8.4	-8.4	-8.6	-7.2	-7.2	-5.6	test	train	train	train	train	train	val	
203	CHEMBL153858	inactive	nh	nhm	na	-8.1	-7.2	-8.6	-8.0	-7.7	-6.4	-8.6	-7.9	-6.7	-8.4	-7.8	-8.8	-8.5	-8.8	-7.2	-7.4	-4.7	val	test	train	train	train	train	train	
204	CHEMBL87530	inactive	nh	nhm	na	-6.4	-6.0	-6.7	-7.1	-6.8	-5.4	-7.4	-6.7	-5.9	-7.2	-6.8	-7.3	-6.9	-7.3	-6.0	-5.4	-4.0	train	val	test	train	train	train	train	
205	CHEMBL87683	inactive	nh	nhm	na	-6.7	-6.2	-7.0	-7.4	-7.2	-5.5	-7.4	-6.7	-6.2	-6.9	-6.5	-7.3	-7.0	-7.0	-5.9	-5.9	-5.7	train	train	val	test	train	train	train	
206	CHEMBL315700	inactive	nh	nhm	na	-5.8	-6.1	-6.6	-6.4	-6.7	-5.4	-7.4	-6.8	-6.1	-7.1	-7.0	-6.6	-6.9	-7.2	-6.0	-5.3	-3.8	train	train	val	test	train	train	train	
207	CHEMBL155837	inactive	nh	nhm	na	-7.6	-7.2	-8.3	-9.1	-8.0	-6.6	-8.9	-8.0	-6.8	-8.6	-8.0	-8.5	-8.5	-8.8	-7.2	-7.3	-6.1	train	train	train	val	test	train	train	
208	CHEMBL155598	inactive	nh	nhm	na	-7.7	-8.1	-9.4	-6.5	-8.3	-7.1	-9.7	-8.7	-7.2	-9.2	-8.8	-9.5	-9.5	-9.5	-8.2	-7.4	-6.5	train	train	train	train	val	test	train	
209	CHEMBL85854	inactive	nh	nhm	na	-5.6	-6.3	-6.2	-5.6	-7.1	-5.4	-6.4	-6.9	-6.3	-6.9	-7.0	-6.0	-6.9	-7.2	-5.5	-5.5	-3.4	test	train	train	train	train	train	val	
210	CHEMBL557688	inactive	nh	nhm	na	-8.4	-8.3	-8.6	-6.1	-8.5	-7.5	-9.0	-8.9	-7.5	-9.2	-8.5	-7.6	-8.4	-9.2	-7.2	-6.9	-5.2	val	test	train	train	train	train	train	
211	CHEMBL87409	inactive	nh	nhm	na	-6.5	-6.4	-7.4	-8.0	-7.1	-5.7	-7.5	-7.3	-6.8	-7.3	-7.2	-7.7	-7.5	-7.5	-6.4	-5.9	-5.2	train	val	test	train	train	train	train	
212	CHEMBL348532	inactive	nh	nhm	na	-7.9	-7.2	-8.3	-7.1	-7.8	-6.6	-8.8	-7.9	-6.7	-8.4	-8.2	-8.9	-8.4	-9.4	-7.3	-7.2	-4.7	train	train	val	test	train	train	train	
213	CHEMBL2348441	inactive	nh	nhm	na	-8.6	-7.9	-8.9	-6.2	-8.6	-7.8	-9.2	-9.2	-7.7	-9.5	-8.7	-7.4	-8.2	-9.2	-7.5	-7.0	-5.3	train	train	val	test	train	train	train	
214	CHEMBL2348446	inactive	nh	nhm	na	-8.4	-8.2	-8.6	-6.4	-8.9	-7.7	-9.5	-9.0	-7.5	-9.3	-8.7	-8.7	-9.5	-7.6	-7.0	-5.3	train	train	train	val	test	train	train		
215	CHEMBL1928323	inactive	nh	nhm	na	-6.6	-6.6	-6.6	-6.9	-7.7	-6.8	-5.5	-8.3	-6.9	-6.1	-7.2	-7.0	-7.2	-7.4	-7.4	-5.9	-6.2	-3.9	train	train	train	train	val	test	train
216	CHEMBL4084733	inactive	nh	nhm	na	-9.4	-8.0	-9.6	-6.1	-9.2	-7.5	-10.1	-9.0	-7.6	-10.2	-8.6	-8.7	-10.0	-9.1	-8.2	-8.0	-4.9	test	train	train	train	train	train	val	