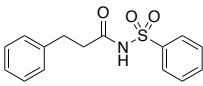
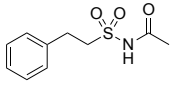
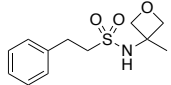
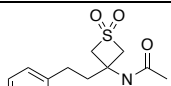
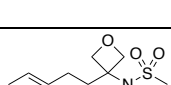
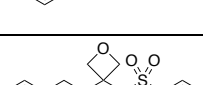
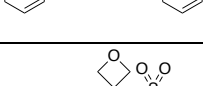
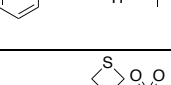
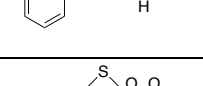
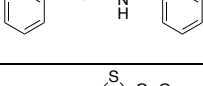
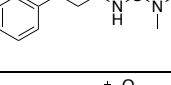
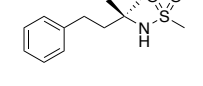
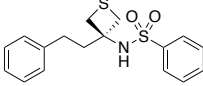
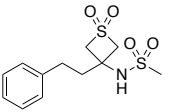
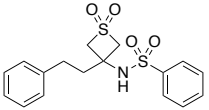
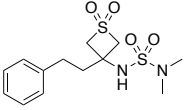
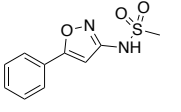
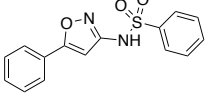
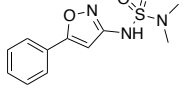
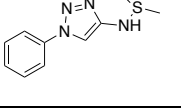
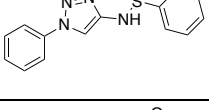
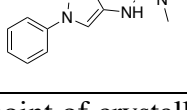


Experimental Properties of Test Compounds

Molecule ID	Structure	mp (°C) ^a	% Stability aq. buffer pH 7.4 ^b	Intrinsic solubility (mol/L) ^c	logP ^d	logD _{7.4} ^e	PAMPA			pK _a ^j
							Pe (cm/s) ^g	% retention ^h	logP _{app} ⁱ	
SM25		107.8–108.5	100.0	9.97E–4	2.67 ±0.01	–0.09 ±0.01	1.64E–6	–3.05E–2	–5.79 ±0.12	4.49 ±0.04
SM26		76.2–78.4	91.4	8.65E–2	1.04 ±0.01	–0.87 ±0.06	1.00E–06	–5.00E–2	–6.00 ±0.12	4.91 ±0.01
SM27		ND ^s	100.0	8.71E–2	‡	1.56 ±0.11 [†]	6.79E–6	–3.20E–2	–5.17 ±0.10	10.45 ±0.01
SM28		135.3–136.8	94.5	1.62E–3	‡	1.18 ±0.08 [†]	2.11E–6	–1.20E–2	–5.68 ±0.11	>12
SM29		71.4–71.9	100.0	2.65E–2	1.61 ±0.03	1.61 ±0.11	8.44E–6	0.157	–5.1 ±0.10	10.05 ±0.01
SM30		105.8–107.2	94.1	6.38E–4	‡	2.76 ±0.19 [†]	7.06E–6	0.260	–5.2 ±0.10	10.29 ±0.12
SM31		ND	93.7	3.47E–2	‡	1.96 ±0.14 [†]	1.02E–5	5.89E–2	–4.99 ±0.10	11.02 ±0.01
SM32		115.2–116.0	91.5	1.43E–3	‡	2.44 ±0.17 [†]	1.46E–05	0.439	–4.8 ±0.10	10.45 ±0.02
SM33		74.2–75.8	92.8	1.10E–3	‡	2.96 ±0.21 [†]	ND	ND	ND	>12
SM34		56.6–58.9	93.5	2.20E–3	‡	2.83 ±0.20 [†]	1.14E–5	0.373	–4.9 ±0.10	11.93 ±0.05
SM35		151.2–154.2	100.0	2.20E–2	0.88 ±0.02	0.87 ±0.06	ND	ND	ND	9.87 ±0.01
SM36		135.3–136.8	90.3	4.268E–2	‡	0.76 ±0.05 [†]	2.91E–6	5.07E–2	–5.54 ±0.11	9.80 ±0.06
SM37		127.1–127.8	93.4	1.06E–2	‡	1.45 ±0.10 [†]	3.41E–6	7.13E–2	–5.47 ±0.11	10.33 ±0.02

SM38		108.3–108.7	100.0	4.32E–2	‡	1.03 ±0.07 [†]	3.66E–06	–3.00E–3	–5.4 ±0.10	9.44 ±0.02
SM39		182.5–184.2	98.3	1.06E–3	‡	1.89 ±0.13 [†]	ND	ND	ND	10.22 ±0.15
SM40		100.2–101.5	100.0	8.16E–3	1.83 ±0.05	1.82 ±0.13	4.43E–6	0.105	–5.35 ±0.11	9.58 ±0.01
SM41		158.0–158.8	97.7	3.85E–2	0.58 ±0.02	–0.42 ±0.03	1.16E–6	3.42E–2	–5.94 ±0.12	5.22 ±0.01
SM42		164.8–166.0	95.5	2.17E–3	1.76 ±0.03	0.99 ±0.07	5.79E–6	–4.81E–2	–5.24 ±0.10	6.62 ±0.02
SM43		152.5–152.9	97.3	2.36E–2	0.85 ±0.01	0.42 ±0.03	2.87E–6	0.131	–5.54 ±0.11	5.62 ±0.02
SM44		156.0–157.5	93.5	1.05E–2	1.16 ±0.03	0.06 ±0.00	2.42E–6	–4.07E–2	–5.62 ±0.11	6.34 ±0.01
SM45		163.7–164.5	93.3	3.62E–4	2.55 ±0.04	1.06 ±0.07	4.09E–6	2.76E–4	–5.39 ±0.11	5.93 ±0.05
SM46		158.5–159.7	93.9	2.75E–3	1.72 ±0.01	0.69 ±0.05	3.77E–6	–4.43E–2	–5.42 ±0.11	6.42 ±0.01

^a Melting point of crystalline material; ^b Test compound (%) remaining after 5 h of incubation at rt in aqueous buffer (pH 7.4) as determined by LC/MS analyses; ^c Intrinsic solubility determined from the general solubility equation (GSE) by using experimentally determined logP and mp values; ^d Log of the partition coefficient between *n*-octanol and water (unless otherwise noted, logP determinations were conducted via potentiometric titrations using a Sirius T3, Pion); ^e Log of the distribution coefficient between *n*-octanol and aqueous buffer at pH 7.4 (unless otherwise noted, logD_{7.4} determinations were conducted via potentiometric titrations using a Sirius T3, Pion); ^f Calculated values using ChemAxon³⁷; ^g Effective permeability (PAMPA assay run by Analiza); ^h Membrane retention; ⁱ Log of the apparent permeability coefficient (P_{app}); ^j pK_a values determined by potentiometric titrations using a Sirius T3, Pion (values in brackets are from ³⁰); ^k Test compound was an oil; [†] logD_{7.4} value determined via shake-flask assay (experiment run by Analiza); [‡] logP value is considered equal to the logD_{7.4} as these compounds exhibit pK_a values >9.4; ND = not determined.