

Model information	
Type of model	MLR
Data split	3:1
Descriptors	X%, TPC
Descriptors correlation	0.47
Preprocessing	Standard scaler - Standardize features by removing the mean and scaling to unit variance.
Model equation	$TR\beta\ BS=-8,724(\pm0,054) -0,137(\pm0,061) \times X\%-1,509(\pm0,061) \times TPC$

Model statistics	
R ²	0.97
RMSE _C	0.276
MAE _C	0.221
Q ² _{LOO}	0.955
R ² -Q ² _{LOO}	0.015
RMSE _{CV}	0.340
MAE _{CV}	0.256
CCC _{CV}	0.978
Q ² _{F1}	0.948
Q ² _{F2}	0.947
Q ² _{F3}	0.954
RMSE _{EXT}	0.344
MAE _{EXT}	0.280
CCC _{EXT}	0.973
R ² _{YSCR}	0,070

MIN binding score (pred.)	-10.5
MAX binding score (pred.)	-3.58
HAT kryt.	0.31

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QL00662	N-Allylperfluorobutanesulfonamide	40630-65-7	C[N]([S](=[O])=O)C(F)(F)C(F)(F)C(F)(F)F)C=C	-7.76	34.62	5.35	P	IN
QL00663	3-(Perfluoroheptyl)sulfonylamino)-N,N,N-trimethyl-1-propan:	67584-58-1	C[N]([S](C(C(C(C(C(C(F)F)F)F)F)F)F)F)F)F(=O)=O)CC[N+](C)(C)C.[I-]	-9.80	32.00	6.33	P	OUT
QL00664	3-(Perfluorohexylsulfonylamino)-N,N,N-trimethyl-1-propana	68957-58-4	C[N]([S](C(C(C(C(C(F)F)F)F)F)F)F)F)F(=O)=O)CC[N+](C)(C)C.[I-]	-9.35	29.79	6.15	P	OUT
QL00665	3-(Perfluoropentylsulfonylamino)-N,N,N-trimethylpropanam	68957-55-1	C[N]([S](C(C(C(C(C(F)F)F)F)F)F)F)F)F(=O)=O)CC[N+](C)(C)C.[Cl-]	-8.86	27.27	5.94	P	OUT
QL00666	Trimethyl-3-(perfluorobutylsulphonylamino)propylammoniu	53518-00-6	C[N]([S](C(C(C(F)F)F)F)F)F)F(=O)=O)CC[N+](C)(C)C.[Cl-]	-8.31	24.39	5.71	P	OUT
QL00667	S-(3-(Ethoxycarbonylaminomethyl)-3-(perfluorohexyl)propyl)s	67846-66-6	C(NC(OCC)=O)C(C(F)(F)C(F)F)C(F)(F)C(F)(F)C(F)F)CCS([O])([O])=O.[K+]	-9.82	27.08	6.39	P	OUT
QL00668	perfluoroalkylamido betaine-related, n=14_pos		(CNCCC[N+](CC(O)=O)(C)C(=O)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)	-12.20	40.28	7.38	P	OUT
QL00669	perfluoroalkylamido betaine-related, n=13_pos		(CNCCC[N+](CC(O)=O)(C)C(=O)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)	-11.94	39.13	7.27	P	OUT
QL00670	perfluoroalkylamido betaine-related, n=12		(CNCCC[N+](CC(O)=O)(C)C(=O)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)	-11.67	37.88	7.15	P	OUT
QL00671	perfluoroalkylamido betaine-related, n=11_pos		(CNCCC[N+](CC(O)=O)(C)C(=O)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)	-11.38	36.51	7.03	P	OUT
QL00672	perfluoroalkylamido betaine-related, n=10		(CNCCC[N+](CC(O)=O)(C)C(=O)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)	-11.07	35.00	6.90	P	OUT
QL00673	perfluoroalkylamido betaine-related, n=9_pos		(CNCCC[N+](CC(O)=O)(C)C(=O)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)	-10.74	33.33	6.76	P	OUT
QL00674	perfluoroalkylamido betaine-related, n=8		(CNCCC[N+](CC(O)=O)(C)C(=O)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)	-10.38	31.48	6.61	P	OUT
QL00675	perfluoroalkylamido betaine-related, n=7		(CNCCC[N+](CC(O)=O)(C)C(=O)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)	-9.99	29.41	6.45	P	OUT
QL00676	perfluoroalkylamido betaine-related, n=6		(CNCCC[N+](CC(O)=O)(C)C(=O)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)	-9.56	27.08	6.27	P	OUT
QL00677	Perfluoroalkylamido betaine-related_i, n=12		(CNCCC[N+](CC(O)C(C)C=O)(C)C(=O)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)	-11.82	33.33	7.27	P	OUT
QL00678	Perfluoroalkylamido betaine-related_i, n=10		(CNCCC[N+](CC(O)C(C)C=O)(C)C(=O)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)	-11.25	30.43	7.03	P	OUT
QL00679	Perfluoroalkylamido betaine-related_i, n=8		(CNCCC[N+](CC(O)C(C)C=O)(C)C(=O)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)	-10.60	26.98	6.76	P	OUT
QL00680	(2-Carboxyethyl)-3-(((perfluoro-7-methyloctyl)2-hydroxypropy	73353-25-0	C(NCCC[N+](CCC(O)=O)(C)C)CO)CC(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)F.[OH-]	-10.91	27.14	6.90	P	OUT
QL00681	perfluoroalkylamido ammonium, n=14		(CNCCCCN(C)C(=O)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)	-11.98	44.62	7.23	P	OUT
QL00682	perfluoroalkylamido ammonium, n=12		(CNCCCCN(C)C(=O)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)	-11.41	42.37	6.99	P	OUT
QL00683	perfluoroalkylamido ammonium, n=11		(CNCCCCN(C)C(=O)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)	-11.10	41.07	6.85	P	OUT
QL00684	perfluoroalkylamido ammonium, n=10		(CNCCCCN(C)C(=O)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)	-10.76	39.62	6.71	P	OUT
QL00685	perfluoroalkylamido ammonium, n=9		(CNCCCCN(C)C(=O)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)	-10.40	38.00	6.56	P	OUT
QL00686	perfluoroalkylamido ammonium, n=8		(CNCCCCN(C)C(=O)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)	-10.01	36.17	6.39	P	OUT
QL00687	perfluoroalkylamido ammonium, n=7		(CNCCCCN(C)C(=O)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)	-9.58	34.09	6.21	P	OUT
QL00688	perfluoroalkylamido ammonium, n=6		(CNCCCCN(C)C(=O)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)	-9.10	31.71	6.01	P	OUT
QL00689	perfluoroalkylamido ammonium, n=5		(CNCCCCN(C)C(=O)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)	-8.57	28.95	5.79	P	OUT
QL00690	perfluoroalkylamido ammonium, n=4		(CNCCCCN(C)C(=O)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)	-7.97	25.71	5.54	P	OUT
QL00691	perfluoroalkylamido ammonium, n=3		(CNCCCCN(C)C(=O)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)	-7.28	21.88	5.25	P	OUT
QL00692	1-((3-(Dimethylamino)propyl)amino)-3-(perfluoro-7-methyloc	73353-26-1	(CNCCCCN(C)C(O)CC(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)	-10.51	32.76	6.66	P	OUT
QL00693	1-((3-(Dimethylamino)propyl)amino)-(3-(perfluoro-11-methykc	94159-82-7	(CNCCCCN(C)C(O)CC(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)	-11.77	38.57	7.19	P	OUT
QL00694	1-((3-(Dimethylamino)propyl)amino)-(3-(perfluorododecyl)on	94159-79-2	(CNCCCCN(C)C(O)CC(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)	-11.48	37.31	7.07	P	OUT
QL00695	1-((3-(Dimethylamino)propyl)amino)-(3-(perfluorodecyl)prop:	94159-80-5	C(NCCCCN(C)C(O)CC(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(F)(F)C(F)F)C(O)(=O)C(F)C(F)F)					

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QLO0883	4,4,5,5,6,6,7,7,7-Nonafluoroheptyl 2-methylprop-2-enoate	243842-15-1	CC=C(C)=O)OCCCC(F)(F)(F)(F)(F)(F)(C)(F)(F)	-8.00	27.27	5.54	P	OUT
QLO0884	2-[(2-Methylprop-2-enoyl)oxy]ethyl heptafluorobutanoate	146615-93-8	CC=C(C)=O)OCCCOC(=O)C(F)(F)(F)(F)(F)(F)	-7.73	23.33	6.45	P	OUT
QLO0885	S-(Perfluoro-5-methylhexyl)ethyl-2-methylpropenethioate	30769-91-6	CC=C(C)=O)SCCCC(F)(F)(C)(F)(F)(C)(F)(F)(C)(F)(F)(F)	-9.53	38.46	5.14	P	IN
QLO0886	S-(Perfluoro-7-(methyloctyl)ethylthiomethacrylate	28506-33-4	CC=C(C)=O)SCCC(F)(F)(F)(F)(F)(F)(F)(C)(F)(F)(C)(F)(F)(F)	-10.37	42.22	6.50	P	IN
QLO0887	5-(Perfluoro-9-methyldecyl)ethyl)-2-methyl-2-propenethioate	30769-88-9	CC=C(C)=O)SCCC(F)(F)(F)(F)(F)(F)(F)(F)(F)(C)(F)(F)(F)(F)(F)	-11.08	45.10	6.81	P	OUT
QLO0888	3-[1,1,2,2,3,3,3-Heptafluoropropan-2-yl)oxy]-2-methylprop-1-ene	38471-83-9	CC=C(C)COC(F)(C)(F)(F)(C)(F)(F)	-6.51	31.82	4.80	P	IN
QLO0889	3-Acetyl-5,5,6,6,7,7,8,8,8-nonafluorooctane-2,4-dione	120110-91-0	CC(=O)C(C)=O)C(=O)C(F)(F)(C)(F)(F)(C)(F)(F)	-8.08	31.03	5.54	P	OUT
QLO0890	3,4,4,5,5,6,6,7,7,8,8,9,9-Pentadecafluorononan-2-one	754-85-8	CC(=O)C(F)(F)(C)(F)(F)(C)(F)(F)(C)(F)(F)(C)(F)(C)(F)(F)	-9.08	53.57	5.79	P	IN
QLO0891	3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctan-2-one	80793-21-1	CC(=O)C(F)(F)(C)(F)(F)(C)(F)(F)(C)(F)(F)(C)(F)(F)(F)	-8.52	52.00	5.54	P	IN
QLO0892	Methyl perfluoropentyl ketone	2708-07-8	CC(=O)C(F)(F)(F)(F)(C)(F)(F)(C)(F)(F)(F)	-7.87	50.00	5.25	P	IN
QLO0893	Methyl perfluorobutyl ketone	678-18-2	CC(=O)C(F)(F)(F)(F)(C)(F)(F)(C)(F)(F)(F)	-7.10	47.37	4.92	P	IN
QLO0894	Methyl heptafluoropropylketone	355-17-9	CC(=O)C(F)(F)(F)(F)(F)(C)(F)(F)(F)	-6.18	43.75	4.52	P	IN
QLO0895	Methyl perfluoroethyl ketone	374-41-4	CC(=O)C(F)(F)(F)(F)(F)	-5.01	38.46	4.03	P	IN
QLO0896	3,4,5,5,6,6,7,7,8,8,9,10,10-Pentadecafluorodec-3-en-2-ol	92604-91-6	CC(=O)C(F)=C(F)(F)(F)(C)(F)(F)(C)(F)(F)(C)(F)(F)(F)	-9.21	51.72	5.86	P	IN
QLO0897	(3Z)-4,5,5,6,6,7,7,8,8,9,10,10,11,11-Hexadecafluoroundec-4-Amino-5,6,6,7,7,7-heptafluorohept-3-en-2-one	136909-85-8	CC(=O)C=C(/F)(F)(C)(F)(F)(C)(F)(F)(C)(F)(F)(C)(F)(F)(F)	-9.48	50.00	6.01	P	IN
QLO0898	1-[4-(Heptafluoropropyl)-1H-pyrrol-3-yl]ethan-1-one	70168-24-0	CC(=O)C=C(N)(C)(F)(F)(F)(F)(F)(F)	-6.78	31.82	4.92	P	IN
QLO0899	1-[4-(1,1,2,2,3,3,3-Heptafluoropropan-2-yl)phenyl]ethan-1-ol	121103-97-7	CC(=O)C1=CNC=C1C(F)(F)(F)(F)(F)(F)	-8.12	29.17	5.58	P	OUT
QLO0900	5,5,6,6,7,7,8,8,9,10,10,11,11,12,12-Heptadecafluorododec-1-ol	353273-22-0	CC(O)c1ccc(cc1)(C)(F)(F)(F)(C)(F)(F)	-8.36	26.92	5.71	P	OUT
QLO0901	5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-Heptadecafluorododec-1-ol	203201-14-3	CC(=O)CC(=O)(C)(F)(F)(C)(F)(F)(C)(F)(F)(C)(F)(F)(C)(F)(F)	-9.85	47.22	6.21	P	IN
QLO0902	(Perfluoroheptanoyl)acetone	82822-26-2	CC(=O)CC(=O)(C)(F)(F)(C)(F)(F)(C)(F)(F)(C)(F)(F)	-8.87	43.33	5.79	P	IN
QLO0903	5,5,6,6,7,7,8,8,9,9-Un-decafluorononane-2,4-dione	75824-01-0	CC(=O)CC(=O)(C)(F)(F)(C)(F)(F)(C)(F)(F)(C)(F)(F)	-8.28	40.74	5.54	P	IN
QLO0904	(Perfluoro-1-butyl)butane-1,3-dione	355-84-0	CC(=O)CC(=O)(C)(F)(F)(C)(F)(F)(C)(F)(F)(F)	-7.61	37.50	5.25	P	IN
QLO0905	5,5,6,6,7,7,7-heptafluoroheptane-2,4-dione	356-30-9	CC(=O)CC(=O)(C)(F)(F)(C)(F)(F)(C)(F)(F)	-6.81	33.33	4.92	P	IN
QLO0906	5,5,6,6-Tetrafluoro-5-(heptafluoropropoxyl)hexane-2,4-dione	261760-03-6	CC(=O)CC(=O)(C)(F)(F)(C)(F)(F)(C)(F)(F)(C)(F)(F)	-8.44	39.29	5.62	P	IN
QLO0907	4,4,5,5,6,6,7,7,8,8,9,9-Tridecafluorononan-2-one	77893-60-8	CC(=O)C(F)(F)(C)(F)(F)(C)(F)(F)(C)(F)(F)(C)(F)(F)	-8.59	46.43	5.62	P	IN
QLO0908	4,4,5,5,6,6,7,7-Nonafluoroheptan-2-one	86358-19-2	CC(=O)CC(F)(F)(C)(F)(F)(C)(F)(F)(F)	-7.22	40.91	5.04	P	IN
QLO0909	3-(Perfluoropropyl)-2-propanone	136909-72-3	CC(=O)CC(F)(F)(C)(F)(F)(C)(F)(F)	-6.34	36.84	4.66	P	IN
QLO0910	5,5,6,6,7,7,8,8,9,10,10,11,11,12,12-Heptadecafluorododec-4-(perfluorobutyl)-2-butanone	82486-22-4	CC(=O)CCC(F)(F)(C)(F)(F)(C)(F)(F)(C)(F)(F)(C)(F)(F)(F)	-9.69	45.95	6.14	P	IN
QLO0911	N-[[4-(Bromophenyl)](perfluorobutyl)-λ4-sulfanylidene]acetami	140834-64-6	CC(=O)C(C(F)(F)(F)(F)(F)(F)(F)(F)(F)(F)(F)(F))F	-7.35	36.00	5.15	P	IN
QLO0912	N-[[4-(Bromophenyl)](perfluorobutyl)-λ4-sulfanylidene]acetami	1178899-27-8	CC(=O)N=S/C1=CC=C(Br)C=C1)(C)(F)(F)(F)(C)(F)(F)(F)	-9.32	31.25	6.12	P	OUT
QLO0913	N-(Perfluorobutyl)phenyl-lambda4-sulfanylidene]acetamide	1178899-18-7	CC(=O)N=S/C1=CC=C(C=C1)C(F)(F)(F)(C)(F)(F)(F)(F)	-9.02	28.13	6.01	P	OUT
QLO0914	Pyrrfluquinazon	337458-27-2	CC(=O)N1C2=C(CN(C1=O)NCC3=CN=CC=C3)C=C(C=C2)C(F)(F)(F)(F)(F)	-12.14	14.89	7.60	P	OUT
QLO0915	1-[3-Methylidene-4-(2,2,3,3,4,4,5,5-nonafluoropentyl)pyrrol	31164-13-3	CC(=O)N1CC(C(F)(F)(F)(F)(F)(F)(F)(F)(F)(F)(F)(F))C=C1	-9.03	25.71	6.04	P	OUT
QLO0916	1-Acetyl-3,5-bis(perfluorohexyl)pyrazole	231953-34-7	CC(=O)N1N=C(C=O)C(F)(F)(F)(F)(F)(F)(F)(F)(F)(F)(F)(F)	-12.61	52.00	7.46	P	OUT
QLO0917	N,N'-(5-[(1,1,1,4,4,5,5,5-heptafluoro-3,1,1,1,2,3,3,3-heptafluor	Q103475	CC(=O)Nc1cc(NC(C)=O)cc(OC(=C(C(F)(C)(F)(

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QLO1296	8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-Pentadecafluorotetr	38787-60-9	CCCCC=CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.33	35.71	6.08	P	IN
QLO1297	(6E)-8,8,9,9,10,10,11,11,12,12,13,13,13-Tridecafluorotridec-6-	350608-60-5	CCCCC=CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.82	33.33	5.86	P	OUT
QLO1298	1,1,1,2,2,3,3,4,4-Nonafluoroundec-5-ene	383145-46-8	CCCCC=CC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.61	27.27	5.35	P	OUT
QLO1299	(4E)-1,1,1,2,2,3,3-Heptafluorodec-4-ene	57325-42-5	CCCCC=CC(F)(F)C(F)(F)C(F)(F)F	-6.85	23.33	5.04	P	OUT
QLO1300	5-Pentyl-2-[4-(tridecafluorohexyl)phenyl]pyridine	139030-54-9	CCCCCc1ccc(nc1)-c1ccc(cc1)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-11.83	24.07	7.36	P	OUT
QLO1301	Octan-2-yl heptafluorobutanoate	560-01-0	CCCCCCC(C)OC(=O)C(F)(F)C(F)(F)C(F)(F)F	-7.62	18.42	5.45	P	OUT
QLO1302	1-bromo-1,1,2,2-tetrafluorooctane	231630-92-5	CCCCCCC(F)(F)C(F)(F)Br	-5.67	19.23	4.52	P	OUT
QLO1303	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-Pentaco	89109-70-6	CCCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-11.17	44.64	6.85	P	OUT
QLO1304	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-Henicosafluorohexa	116177-54-9	CCCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.49	42.00	6.56	P	IN
QLO1305	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-Heptadecafluorotetradecane	182130-14-9	CCCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.67	38.64	6.21	P	IN
QLO1306	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7-Pentadecafluorotridecane	169331-74-2	CCCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.20	36.59	6.01	P	IN
QLO1307	1,1,1,2,2,3,3,4,4,5,5,6,6-Tridecafluorododecane	69125-50-0	CCCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.68	34.21	5.79	P	IN
QLO1308	1,1,1,2,2,3,3,4,4,5,5-Undecafluoroundecane	1287702-80-4	CCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.09	31.43	5.54	P	OUT
QLO1309	1,1,1,2,2,3,3,4,4-Nonafluorodecane	1190430-19-3	CCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.41	28.13	5.25	P	OUT
QLO1310	1,1,1,2,2,3,3-Heptafluorononane	755-89-5	CCCCCCC(F)(F)C(F)(F)C(F)(F)F	-6.62	24.14	4.92	P	OUT
QLO1311	(5E)-1,1,1,2,2,3,3,4,4-Nonafluoro-6-iodododec-5-ene	109574-88-1	CCCCCCC(I)=C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.01	27.78	5.54	P	OUT
QLO1312	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-Pentaco	93454-69-4	CCCCCCCC(I)CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-11.40	41.94	6.99	P	OUT
QLO1313	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-Henicosafluoro-12-i	129838-40-0	CCCCCCCC(I)CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.76	39.29	6.71	P	OUT
QLO1314	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-Heptadecafluoro-10-iodohexa	96791-81-0	CCCCCCCC(I)CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.00	36.00	6.39	P	OUT
QLO1315	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7-Pentadecafluoro-9-iodopentadec	918-32-1	CCCCCCCC(I)CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.58	34.04	6.21	P	OUT
QLO1316	1,1,1,2,2,3,3,4,4,5,5,6,6-Tridecafluoro-8-iodotetradecane	109574-84-7	CCCCCCCC(I)CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.10	31.82	6.01	P	OUT
QLO1317	Dodecane, 1,1,1,2,2,3,3,4,4-nonafluoro-6-iodo-	109603-73-8	CCCCCCCC(I)CC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.98	26.32	5.54	P	OUT
QLO1318	1,1,1,2,2,3,3-Heptafluoro-5-iodoundecane	23885-16-7	CCCCCCC(I)CC(F)(F)C(F)(F)C(F)(F)F	-7.30	22.86	5.25	P	OUT
QLO1319	(7E)-9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-Hepta	84201-60-5	CCCCCCC=CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.87	35.42	6.33	P	OUT
QLO1320	1,1,1,2,2,3,3,4,4,5,5,6,6-Tridecafluorotetradec-7-ene	120464-26-8	CCCCCCC=CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.93	30.95	5.94	P	OUT
QLO1321	(5E)-1,1,1,2,2,3,3,4,4-Nonafluorododec-5-ene	113999-54-5	CCCCCCC=CC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.76	25.00	5.45	P	OUT
QLO1322	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-Henicosafluorohepti	200817-54-5	CCCCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.55	39.62	6.61	P	OUT
QLO1323	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-Heptadecafluoropentadecane	182130-15-0	CCCCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.75	36.17	6.27	P	OUT
QLO1324	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7-Pentadecafluorotetradecane	38787-57-4	CCCCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.30	34.09	6.08	P	OUT
QLO1325	1,1,1,2,2,3,3,4,4,5,5,6,6-Tridecafluorotridecane	1835249-87-0	CCCCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.79	31.71	5.86	P	OUT
QLO1326	1,1,1,2,2,3,3,4,4-Nonafluoroundecane	1190430-22-8	CCCCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.57	25.71	5.35	P	OUT
QLO1327	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-Henicosafluoro-12-i	129838-41-1	CCCCCCCCC(I)CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.82	37.29	6.76	P	OUT
QLO1328	1,1,1,2,2,3,3,4,4-Nonafluorododecan-5-ol	311294-52-5	CCCCCCCCC(O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.91	23.08	5.54	P	OUT
QLO1329	N,N,N-Trimethylcyan-1-aminium pentadecafluorooctanoate	927835-01-6	CCCCCCCCC[N+](C)(C)C.[O-][C-]=O(C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.92	23.81	6.00	P	OUT
QLO1330	1,1,1,2,2,3,3,4,4,5,5,6,6-Tridecafluoropentadec-7-ene	1980786-99-9	CCCCCCCC=CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.04	28.89	6.01	P	OUT
QLO1331	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-Pentaco	90499-71-3	CCCCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-11.28	40.32	6.94	P	OUT
QLO1332	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-Henicosafluoroocta	93454-30-7	CCCCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.61	37.50	6.66	P	OUT
QLO1333	1,1,1,2,2,3,3,4,4-Nonafluorododecane	69125-79-7	CCCCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.73	23.68	5.45	P	OUT
QLO1334	1,1,1,2,2,3,3-Heptafluoroundecane	1190430-20-6	CCCCCCCCC(F)(F)C(F)(F)C(F)(F)F	-7.02	20.00	5.15	P	OUT
QLO1335	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-Henicosafluoro-12-i	121633-31-6	CCCCCCCCC(I)CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.88	35.48	6.81	P	OUT
QLO1336	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-Heptadecafluoro-10-iodoocta	176979-17-2	CCCCCCCCC(I)CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.16	32.14	6.50	P	OUT
QLO1337	1,1,1,2,2,3,3,4,4,5,5,6,6-Tridecafluoro-8-iodohexadecane	207122-00-7	CCCCCCCCC(I)CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.31	28.00	6.14	P	OUT
QLO1338	(Z)-Octadec-9-enyl 5-(((2-(((perfluorooctyl)sulphonyl)methyla	94313-84-5	CCCCCCCCC=C/C/C(C)(F)(F)C(F)(F)					

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QL01424	1,1,1,2,2,3,3,4,4,5,5,6,7,8,9,9,10,10,11,11,12,12-Pentaco	677324-32-2	C C C C C C C C C C C C C F(F)C(F)F(C)(F)C(F)F(C)(F)C(F)F(C)(F)C(F)F(C)(F)C(F)F(C)(F)	-11.79		28.09	7.30	P	OUT
QL01425	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,10,10-Henicosafluorohept-	250738-44-4	C C C C C C C C C C C C C C C C F(F)C(F)F(C)(F)C(F)F(C)(F)C(F)F(C)(F)C(F)F(C)(F)F	-11.23		25.30	7.07	P	OUT
QL01426	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-Heptaecafluoropentacosane	871311-25-0	C C C C C C C C C C C C C C C C F(F)C(F)F(C)(F)F(C)(F)C(F)F(C)(F)C(F)F(C)(F)F	-10.60		22.08	6.81	P	OUT
QL01427	1,1,1,2,2,3,3,4,4,5,5,6,6-Tridecafluorotricosane	863126-43-6	C C C C C C C C C C C C C C C C F(F)C(F)F(C)(F)C(F)F(C)(F)F	-9.88		18.31	6.50	P	OUT
QL01428	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,10,10,11,11,12,12-Pentaco	934545-75-2	C C C C C C C C C C C C C C C C F(F)C(F)F(C)(F)C(F)F(C)(F)C(F)F(C)(F)C(F)F(C)(F)C(F)F	-11.85		27.17	7.34	P	OUT
QL01429	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,10,10-Henicosafluorooctac	250738-45-5	C C C C C C C C C C C C C C C C F(F)C(F)F(C)(F)C(F)F(C)(F)C(F)F(C)(F)C(F)F(C)(F)F	-11.30		24.42	7.11	P	OUT
QL01430	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-Nonadecafluoroheptacosan	117948-74-0	C C C C C C C C C C C C C C C C F(F)C(F)F(C)(F)F(C)(F)C(F)F(C)(F)C(F)F(C)(F)F	-11.00		22.89	6.99	P	OUT
QL01431	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-Heptaecafluorohexacosane	133310-73-3	C C C C C C C C C C C C C C C C F(F)C(F)F(C)(F)C(F)F(C)(F)C(F)F(C)(F)F	-10.69		21.25	6.85	P	OUT
QL01432	1,1,1,2,2,3,3,4,4,5,5,6,6-Tridecafluorotetracosane	154628-01-0	C C C C C C C C C C C C C C C C F(F)C(F)F(C)(F)C(F)F(C)(F)F	-9.98		17.57	6.56	P	OUT
QL01433	1,1,1,2,2,3,3,4,4-Nonafluorodocosane	133310-70-0	C C C C C C C C C C C C C C C C F(F)C(F)F(C)(F)C(F)F	-9.14		13.24	6.21	P	OUT
QL01434	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,10,10-Henicosafluoro-12-ic	1257261-89-4	C C C C C C C C C C C C C C C C F(F)C(F)F(C)(F)C(F)F(C)(F)C(F)F(C)(F)F	-11.54		23.91	7.23	P	OUT
QL01435	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-Heptaecafluoro-10-iodoactai	1257261-95-2	C C C C C C C C C C C C C C C C F(F)C(F)F(C)(F)C(F)F(C)(F)C(F)F(C)(F)F	-10.96		20.93	6.99	P	OUT
QL01436	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,10,10,11,11,12,12-Pentaco	264229-79-0	C C C C C C C C C C C C C C C C F(F)C(F)F(C)(F)C(F)F(C)(F)C(F)F(C)(F)F	-11.91		26.32	7.38	P	OUT
QL01437	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,10,10-Henicosafluoronona	250738-46-6	C C C C C C C C C C C C C C C C F(F)C(F)F(C)(F)C(F)F(C)(F)C(F)F(C)(F)C(F)F(C)(F)F	-11.37		23.60	7.15	P	OUT
QL01438	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-Heptaecafluoroheptacosane	871311-26-1	C C C C C C C C C C C C C C C C F(F)C(F)F(C)(F)C(F)F(C)(F)C(F)F(C)(F)F	-10.77		20.48	6.90	P	OUT
QL01439	1,1,1,2,2,3,3,4,4,5,5,6,6-Tridecafluoropentacosane	863126-44-7	C C C C C C C C C C C C C C C C F(F)C(F)F(C)(F)C(F)F(C)(F)F	-10.07		16.88	6.61	P	OUT
QL01440	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,10,10,11,11,12,12-Pentaco	89109-72-8	C C C C C C C C C C C C C C C C F(F)C(F)F(C)(F)C(F)F(C)(F)C(F)F(C)(F)F	-11.97		25.51	7.41	P	OUT
QL01441	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,10,10-Henicosafluorotriacc	766529-12-8	C C C C C C C C C C C C C C C C F(F)C(F)F(C)(F)C(F)F(C)(F)C(F)F(C)(F)F	-11.44		22.83	7.19	P	OUT
QL01442	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-Nonadecafluorononacosar	117948-75-1	C C C C C C C C C C C C C C C C F(F)C(F)F(C)(F)C(F)F(C)(F)C(F)F(C)(F)F	-11.15		21.35	7.07	P	OUT
QL01443	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-Heptaecafluoroottacosane	137338-39-7	C C C C C C C C C C C C C C C C F(F)C(F)F(C)(F)C(F)F(C)(F)C(F)F	-10.85		19.77	6.94	P	OUT
QL01444	1,1,1,2,2,3,3,4,4,5,5,6,6-Tridecafluorohexacosane	825651-73-8	C C C C C C C C C C C C C C C C F(F)C(F)F(C)(F)C(F)F(C)(F)F	-10.17		16.25	6.66	P	OUT
QL01445	1,1,1,2,2,3,3,4,4-Nonafluortetrasocane	808578-67-0	C C C C C C C C C C C C C C C C F(F)C(F)F(C)(F)F	-9.38		12.16	6.33	P	OUT
QL01446	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-Heptaecafluorotriacontane	137338-40-0	C C C C C C C C C C C C C C C C F(F)C(F)F(C)(F)C(F)F(C)(F)C(F)F	-11.00		18.48	7.03	P	OUT
QL01447	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-Heptaecafluordotrictantani	137338-41-1	C C C C C C C C C C C C C C C C F(F)C(F)F(C)(F)C(F)F(C)(F)F	-11.16		17.35	7.11	P	OUT</

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QL01630	1-Ethoxy-1,1,2,2,3,3,4,4,5,5,5-undecafluoropentane	181214-75-5	CCOC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.78		45.83	5.25	P		IN
QL01631	1-Ethoxy-1,1,2,2,3,3,3-hexafluoro-2-(trifluoromethyl)propane--:	813458-04-7	CCOC(F)(F)C(F)(F)C(F)(F)C(F)F.F.CCOC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.48		42.86	5.61	P		OUT
QL01632	Diethoxymethyl(1H,1H,2H,2H-perfluoroheptyl)silane	83038-83-9	CCOC(OCC)[SiH2]CCC(F)(F)C(F)C(F)C(F)C(F)C(F)F	-8.09		22.50	5.62	P		OUT
QL01634	1-Ethoxy-4,4,5,5,6,6,6-heptafluorohex-1-en-3-one	184783-37-7	CCOC=CC(=O)C(F)(F)C(F)(F)C(F)F	-6.97		29.17	5.04	P		OUT
QL01635	1-Ethoxy-3,3,4,4,5,5,6,6,6-nonafluorohexan-2-ol	89807-88-5	CCOCC(O)C(F)(F)C(F)(F)C(F)C(F)F	-7.49		32.14	5.25	P		IN
QL01636	1-Ethoxy-2-(1,1,2,2-tetrafluoroethoxy)ethane	85567-23-3	CCOCCOC(F)(F)C(F)F	-5.32		18.18	4.37	P		OUT
QL01637	Diethyl(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-henico	854095-13-9	CCOP(=O)(CCC(F)(F)C(F)C(F)(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)F)OCC	-10.84		38.18	6.76	P		OUT
QL01638	diethyl 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafuoride	90146-96-6	CCOP(=O)(CCC(F)(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)F)OCC	-10.10		34.69	6.45	P		OUT
QL01639	(3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluoroctyl)phosphonic acid	350608-55-8	CCOP(=O)(CCC(F)(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)F)OCC	-9.22		30.23	6.08	P		OUT
QL01640	Diethyl(3,3,4,4,5,5,6,6,6-nonafluoroheptyl)phosphate	627909-24-4	CCOP(=O)(CCC(F)(F)C(F)C(F)C(F)C(F)C(F)F)OCC	-8.13		24.32	5.62	P		OUT
QL01641	Phosphonous acid, ethyl-, diethyl ester, compd. with 1,1,1,2,2,	72220-37-2	CCOP(CC)OCC.F.C(F)(F)C(F)C(F)F	-6.16		22.86	4.72	P		OUT
QL01642	Phosphonous acid, ethyl-, diethyl ether, compd. with 1,1,1,2,2,	72220-43-0	CCOP(CC)OCC.F.C(F)(F)C(F)C(F)F	-6.16		22.86	4.72	P		OUT
QL01643	Ethyl hydrogen (3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoroctyl)ph	1189052-97-8	CCOP(O)=O(CCC(F)(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)F	-9.02		35.14	5.94	P		IN
QL01644	Ethyl 5,5,6,6,7,7,8,8,8-nonafluorooctane-1-sulfonate	1604816-68-3	CCOS(=O)(=O)CCCC(F)(F)C(F)C(F)C(F)C(F)F	-8.14		25.00	6.62	P		OUT
QL01645	Silver, (6,6,7,7,8,8,8-heptafluoro-2,2-dimethyl-3,5-octanedio	165461-74-5	CCP(Cl)(Cl)Ag[10C](CCO1)C(F)(F)C(F)C(F)C(F)C(F)C(C)C	-9.66		12.50	5.46	P		OUT
QL01646	3-[Ethanesulfonyl]-4-{1,1,1,2,2,3,3,3-heptafluoropropan-2-yl}-2-	1355554-44-7	CCS(=O)(=O)c1c2C(c)ccc1C(F)(C(F)F)C(F)C(F)C(F)C(O)=O	-9.48		19.44	6.31	P		OUT
QL01647	3-[Ethanesulfonyl]-4-{1,1,1,2,2,3,3,3-heptafluoropropan-2-yl)-2-i	1355554-21-0	CCS(=O)(=O)c1c2C(c)ccc1C(F)(C(F)F)C(F)C(F)C(F)C(O)=O	-9.32		20.00	6.22	P		OUT
QL01648	S-Ethyl 3,3,4,4,5,5,5-heptafluoro-2-(2-oxopropyl)pentanethioi	1392881-17-2	CCSC(=O)C(CC(C)=O)C(F)(F)C(F)C(F)C(F)F	-7.51		22.58	5.35	P		OUT
QL01649	4,4-Bis(ethylsulfonyl)-1,1,1,2,2,3,3-heptafluorobutane	145327-73-7	CCSC(SCC)C(F)(F)C(F)C(F)F	-6.89		25.00	5.04	P		OUT
QL01650	3-[Ethyldisulfonyl]-4-{1,1,1,2,2,3,3,3-heptafluoropropan-2-yl)-2-m	1355553-99-9	CCSc1c(C)ccc1C(F)(C(F)F)C(F)C(F)C(F)C(O)=O	-9.14		20.59	6.14	P		OUT
QL01651	2-Ethyl-3-[ethylsulfonyl]-4-{1,1,1,2,2,3,3,3-heptafluoropropan-2-	1355554-66-3	CCSc1c(C)ccc1C(F)(C(F)F)C(F)C(F)C(F)C(O)=O	-9.30		18.92	6.23	P		OUT
QL01652	2-Ethyl-3,3,4,4,5,5,5-heptafluoropentane-1-amine--hydrogen c	308-38-3	CL.CCC(CN)C(F)(F)C(F)C(F)F	-6.49		29.63	4.80	P		OUT
QL01653	5-Amino -1,1,2,2,3,3-heptafluoroheptan-4-ol--hydrogen chlo	308-37-2	CL.CCC(N)C(O)C(F)(F)C(F)C(F)F	-6.73		29.57	4.93	P		OUT
QL01654	5,5,6,6,7,7,7-Heptrafluoroheptan-3-amine--hydrogen chloride	2263-70-9	CL.CCC(N)CC(F)(F)C(F)C(F)C(F)F	-6.49		29.63	4.80	P		OUT
QL01655	N-[3-(dimethylamino)propyl]heptadecafuorooctanesulphonha	67939-88-2	CL.CN(C)CCCCNS(=O)(=O)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)F	-10.13		36.00	6.45	P		OUT
QL01656	N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,7,7-pent	67940-02-7	CL.CN(C)CCCCNS(=O)(=O)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)F	-9.71		34.04	6.27	P		OUT
QL01657	N-[3-(dimethylamino)propyl]tridecafluorohexanesulphonamic	68957-61-9	CL.CN(C)CCCCNS(=O)(=O)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)F	-9.26		31.82	6.08	P		OUT
QL01658	N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,4,5,5,5-undecafluor	68957-60-8	CL.CN(C)CCCCNS(=O)(=O)C(F)C(F)C(F)C(F)C(F)C(F)C(F)F	-8.75		29.27	5.87	P		OUT
QL01659	N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,4,4-nonafluorobut	68957-59-5	CL.CN(C)CCCCNS(=O)(=O)C(F)C(F)C(F)C(F)C(F)F	-8.17		26.32	5.63	P		OUT
QL01660	N-[4-(Nonafluorobutoxy)phenyl]pyridine-3-carboxamide--hyd	62315-22-4	CL.FC(F)(F)C(F)C(F)C(F)C(F)F)Oc1cccc(NC(=O)c2ccncc2)c1	-10.70		25.00	6.82	P		OUT
QL01661	N-[4-(Nonafluorobutoxy)phenyl]pyridine-4-carboxamide--hyd	62315-29-1	CL.FC(F)(F)C(F)C(F)C(F)C(F)C(F)F)Oc1cccc(NC(=O)c2ccncc2)c1	-10.70		25.00	6.82	P		OUT
QL01662	3,3,4,4-Tetrafluoropyridoline Hydrochloride	1810-13-5	CL.FC1(F)CNCC1(F)F	-5.54		31.25	4.34	P		IN
QL01663	2,2,3,3,4,4,4-Heptrafluorobutanimidamide--hydrogen chloride	2358-53-4	CL.NC(=N)C(F)(F)C(F)C(F)F	-6.21		44.44	4.53	P		IN
QL01664	2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-Pentadecafuorooctan-1-amine--h	5678-75-1	CL.NCC(F)(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)F	-8.91		53.33	5.71	P		IN
QL01665	2,2,3,3,4,4,4-Heptrafluorobutan-1-amine--hydrogen chloride (I	2794-75-4	CL.NCC(F)(F)C(F)C(F)C(F)F	-5.89		44.44	4.38	P		IN
QL01666	O-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-Heptrafluoround	1228693-32-0	CL.NOCCCC(F)(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)F	-9.67		45.00	6.15	P		IN
QL01667	2,2,3,3,4,4,5,5,6,6,7,7,7-Tridecafluoro-1-1,4-(2-hydroxyethyl)3	95851-62-0	CL.OCCNC1CCN(CC1)C(=O)C(F)(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)F	-10.14		31.11	6.50	P		OUT
			CL[Pd]Cl.FC(F)(F)C(F							

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QLO1767	Methyl perfluoroheptanoate	14312-89-1	COC(=O)C(F)C(F)C(F)C(F)C(F)C(F)C(F)F	-8.66	50.00	5.62	P	IN
QLO1768	Methyl perfluorohexanoate	424-18-0	COC(=O)C(F)C(F)C(F)C(F)C(F)C(F)F	-8.03	47.83	5.35	P	IN
QLO1769	Methyl nonafluorovalerate	13038-26-1	COC(=O)C(F)C(F)C(F)C(F)C(F)C(F)F	-7.30	45.00	5.04	P	IN
QLO1770	Methyl heptafluorobutyrate	356-24-1	COC(=O)C(F)C(F)C(F)C(F)F	-6.43	41.18	4.66	P	IN
QLO1771	Methyl 4-trifluoroethenoxy-2,2,3,3,4,4-hexafluorobutanoate	19190-61-5	COC(=O)C(F)C(F)C(F)C(F)C(F)OC(F)=C(F)F	-7.68	40.91	5.25	P	IN
QLO1772	Methyl 3-chloroperfluoropropanoate	127589-63-3	COC(=O)C(F)C(F)C(F)Cl	-5.33	35.71	4.20	P	IN
QLO1773	Methyl pentafluoropropionate	378-75-6	COC(=O)C(F)C(F)C(F)F	-5.33	35.71	4.20	P	IN
QLO1774	Methyl 2,2,3,3-tetrafluoro-3-[(1,1,1,2,3,3,3-heptafluoropropyl)oxy]propanoate	51502-43-3	COC(=O)C(F)C(F)C(F)C(F)OC(F)C(F)C(F)C(F)F	-8.20	45.83	5.45	P	IN
QLO1775	Methyl perfluoro(8-(fluoroformyl)-5-methyl-4,7-dioxanono-	69116-73-0	COC(=O)C(F)C(F)C(F)C(F)OC(F)C(F)C(F)OC(F)C(F)=O(C(F)F)F	-9.68	45.45	6.14	P	IN
QLO1776	Methyl perfluoro(3-[1-ethenoxypropan-2-yloxy]propanoate)	63863-43-4	COC(=O)C(F)C(F)C(F)C(F)OC(F)C(F)C(F)C(F)OC(F)=C(F)F	-9.06	44.83	5.86	P	IN
QLO1777	Perfluoromethoxypropionic acid methyl ester	356-69-4	COC(=O)C(F)C(F)C(F)OC(F)F	-6.66	38.89	4.80	P	IN
QLO1778	Methyl perfluoro-3-[3-methoxypropoxy]-3H-propanoate	958445-54-0	COC(=O)C(F)C(F)C(F)OC(F)C(F)C(F)C(F)OC(F)F	-8.69	42.86	5.71	P	IN
QLO1779	Methyl difluoro[1,1,2,2-tetrafluoro-2-(nonafluorobutoxy)etho	129301-40-2	COC(=O)C(F)C(F)OC(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)F	-9.45	48.39	6.01	P	IN
QLO1780	Methyl perfluoro-3,6,9-trioxatridecanoate	330562-42-0	COC(=O)C(F)C(F)OC(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)F	-10.42	50.00	6.45	P	IN
QLO1781	Methyl difluoro[1,1,2,2-tetrafluoro-2-[1,1,2,2-tetrafluoro-2-(tr	169289-58-1	COC(=O)C(F)C(F)OC(F)C(F)C(F)C(F)OC(F)C(F)C(F)OC(F)F	-9.06	44.83	5.86	P	IN
QLO1782	Methyl perfluoro-3,6-dioxahexanoate	39187-41-2	COC(=O)C(F)C(F)OC(F)C(F)C(F)C(F)OC(F)F	-7.68	40.91	5.25	P	IN
QLO1783	Methyl 2,3,3,3-tetrafluoro-2-[undecafluoropentyl]oxy]propar	220369-95-9	COC(=O)C(F)C(F)OC(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)F	-9.33	50.00	5.94	P	IN
QLO1784	Methyl perfluoro(2-propoxypropanoate)	13140-34-6	COC(=O)C(F)C(F)C(F)C(F)C(F)C(F)F	-8.20	45.83	5.45	P	IN
QLO1785	Methyl 2,3,3,3-tetrafluoro-2-(pentafluoroethoxy)propanoate	117516-09-3	COC(=O)C(F)C(F)C(F)C(F)C(F)F	-7.49	42.86	5.15	P	IN
QLO1786	Methyl 2,3,3,3-tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(hepta	26131-32-8	COC(=O)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)F	-9.91	50.00	6.21	P	IN
QLO1787	Methylperfluoro-2,5,8-trimethyl-3,6,9-trioxadodecanoic acid	39187-47-8	COC(=O)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)F	-11.13	52.27	6.76	P	OUT
QLO1788	Perfluorotetramethyltetraoxapentadecanoicacidme	133609-46-8	COC(=O)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)F	-12.08	53.70	7.19	P	OUT
QLO1789	Methyl 2,4,4,5,7,7,8,10,10,11,13,13,14,16,16,17,17,18,18-i	1005033-64-6	COC(=O)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)F	-12.86	54.69	7.55	P	OUT
QLO1790	Methyl 2,3,4,4,5,5,6,6,6-nonafluorohex-2-enoate	88022-46-2	COC(=O)C(F)=C(F)C(F)C(F)C(F)C(F)F	-7.49	42.86	5.15	P	IN
QLO1791	Methyl 1,3-amino-4,4,5,5,6,6,6-heptafluorohex-2-enoate	106203-17-2	COC(=O)C=C(N)C(F)C(F)C(F)C(F)F	-7.00	30.43	5.04	P	OUT
QLO1792	Methyl 4,4,5,5,6,6,6-heptafluorohex-2-enoate	813-06-9	COC(=O)C=C(C)C(F)C(F)C(F)C(F)F	-6.81	33.33	4.92	P	IN
QLO1793	Methyl 3-(heptafluorooctyl)benzoate	80791-111-3	COC(=O)C1=CC=C(C=C1)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)F	-10.96	40.48	6.79	P	IN
QLO1794	Methyl 4-(heptafluorooctyl)benzoate	80791-12-4	COC(=O)C1=CC=C(C=C1)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)F	-10.96	40.48	6.79	P	OUT
QLO1795	Methyl 4-(nonafluorobutyl)benzoate	88951-00-2	COC(=O)C1=CC=C(C=C1)C(F)C(F)C(F)C(F)F	-9.18	30.00	6.06	P	OUT
QLO1796	Methyl 4-(heptafluoropropyl)benzoate	64299-47-4	COC(=O)C1=CC=C(C=C1)C(F)C(F)C(F)C(F)F	-8.57	25.93	5.82	P	OUT
QLO1797	Methyl 5-(heptafluoropropyl)furan-2-carboxylate	104939-25-5	COC(=O)C1=CC=C(C=C1)C(F)C(F)C(F)F	-8.38	29.17	5.69	P	OUT
QLO1798	Methyl 2-(heptafluoropropyl)-6-methoxybenzoate	109296-89-1	COC(=O)c1c(O)cccc1C(F)C(F)C(F)C(F)F	-8.96	22.58	6.03	P	OUT
QLO1799	Methyl 2-methoxy-6-[(1,1,2,2,3,3,4,4,4-nonafluorobutane-1-s	475630-76-3	COC(=O)c1c(O)cccc1OS(=O)=O(C)C(F)C(F)C(F)C(F)C(F)F	-10.02	23.68	6.52	P	OUT
QLO1800	Methyl 3,4,5-tris[1,1,2-trifluoro-2-(heptafluoropropoxy)ethox	1233312-86-1	COC(=O)c1cc(O)C(F					

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QL02111	1,1,2,2,3,3,4,4,5,5,5-undecafluoropentane-1-sulfonamide	8765-76-2	F(C)(F)(C)(F)(C)(F)(C)(F)(F)(C)(F)(F)(S)=O)(N)=O	-8.08	50.00	5.35	P		IN
QL02112	N-ethyl-1,1,2,2,3,3,4,4,5,5,5-undecafluoropentane-1-sulfonan	162682-16-8	F(C)(F)(C)(F)(C)(F)(C)(F)(F)(C)(F)(F)(S)=O)(NCC)=O	-8.25	39.29	5.54	P		IN
QL02113	3-(Perfluorobutyl)propanoic acid	80705-13-1	F(C)(F)(C)(F)(C)(F)(C)(F)(F)(F)CCCC=O(O)	-7.42	39.13	5.15	P		IN
QL02114	1-(Perfluoroheptyl)octane	133331-77-8	F(C)(F)(C)(F)(C)(F)(F)(F)(C)(F)(F)(C)(F)(F)CCCCCCCC	-8.90	29.55	5.94	P		OUT
QL02115	Perfluorobutylsulphonamide	30334-69-1	F(C)(F)(C)(F)(C)(F)(C)(F)(F)(F)(S)=O)(N)=O	-7.35	47.37	5.04	P		IN
QL02116	di Ci-substituted perfluoroalkyl (linear) sulfonic acids, C8		F(C)(F)(C)(F)(C(S=O)=O)=O(F)(F)OC(F)(C)(F)(C)(F)(C)(F)(F)(F)F	-9.77	56.67	6.08	P		IN
QL02117	Perfluro-1,2-bis(perfluorocyclohexyl)ethane	306-99-0	F(C)(F)(C)(F)C1(F)(C)(F)(C)(F)(F)(C)(F)(F)C1(F)(C)(F)(C)(F)(C)F	-13.17	65.00	7.59	P		OUT
QL02118	82 Fluorotelomer aldehyde	135984-68-8	F(C)(C)(F)(F)CC=O(C)(F)(C)(F)(C)(F)(F)(C)(F)(F)(F)F	-9.58	54.84	6.01	P		IN
QL02119	42 Fluorotelomer aldehyde	135984-67-7	F(C)(C)(F)(F)CC=O(C)(F)(C)(F)F	-7.10	47.37	4.92	P		IN
QL02121	double bond-, di-ether substituted perfluoroalkyl (linear) sulfonic acids, C7		F(C)(F)(C(S=O)(O)=O)=O(F)(F)OC(F)(C)(F)(F)(C)(F)(F)=C(F)	-9.13	48.15	5.86	P		IN
QL02122	H-substituted, di-ether-substituted perfluoroalkyl (linear) sulfonic acids, C7		F(C)(F)(C(S=O)(O)=O)=O(F)(F)OC(F)(C)(F)(F)(F)OC(F)(C)([H])F	-9.29	48.28	5.94	P		IN
QL02123	1,8-Divinyperfluorooctane	35192-44-0	F(C)(F)=C=C(C)(F)(F)(C)(F)(F)(C)(F)(F)(C)(F)(F)(C)F<C	-9.42	47.06	6.01	P		IN
QL02124	1,6-Divinylperfluorohexane	1800-91-5	F(C)(F)=C=C(C)(F)(F)(C)(F)(F)(C)(F)(F)(C)(F)<C	-8.33	42.86	5.54	P		IN
QL02125	1,4-Divinyperfluorobutane	678-65-9	F(C)(F)=C=C(C)(F)(F)(C)(F)F<C	-6.87	36.36	4.92	P		IN
QL02126	Perfluoro(4a-(cyclohexymethyl)decahydronaphthalene)	125061-94-1	F(C)(F)C1(F)(C)(F)(C)(F)(F)(C)(F)(F)C1(F)F1(C)(F)(C)(F)(F)(C2(F)(C)(F)(F)(C)(F)(F)J(C)(F)C12F	-14.97	63.83	8.45	P		OUT
QL02127	Perfluoroperhydrobenzyl tetralin	116265-66-8	F(C)(F)C1(F)(C)(F)(C)(F)(F)(C)(F)(F)C1(F)F1(C)(F)(C)(F)(F)C2(F)(C)(F)(F)(C)(F)(C)(F)J(C2)C1(F)F	-14.97	63.83	8.45	P		OUT
QL02128	[1,1,1,2,2,3,3,4,4,14,14,15,15,16,16,17,17-Octadecaefluoro-	217805-03-3	F(C)(F)CCCC([SnH]C)=C(CCCC(F)(C)(F)(C)(F)(C)(F)F)CCCC(F)(C)(F)(C)(F)(C)(F)(F)(F)(F)C(I)(F)(C)(F)F]^1:7	-11.82	36.99	7.23	P		OUT
QL02129	Decane, 3,3,4,4,5,5,6,6,7,7,8,8-dodecafuoro-1,10-diiodo-	1813-83-8	F(C)(F)CCCI(C)(F)(C)(F)(C)(F)(C)(F)(C)(F)(C)CI F(C)(F)CCOP(=O)(OCCC(F)(F)(F)(C)(F)(F)(C)(F)(F)(C)(F)(F)(F)O(C)(F)(C)(F)(C)(F)J(F)(C)(F)(F)(C)(F)(F)(F)F F(C)(F)CCOP(=O)(OCCC(F)(F)(F)(C)(F)(F)(C)(F)(F)O(C)(F)(C)(F)(F)(C)(F)(F)(C)(F)(C)(F)J(F)F	-8.71	43.75	5.71	P		IN
QL02130	82 Fluorotelomer phosphate diester	678-41-1	F(C)(F)CCOP(=O)(OCCC(F)(F)(F)(C)(F)(F)(C)(F)(F)O(C)(F)(C)(F)(F)(C)(F)(F)(C)(F)(C)(F)J(F)F	-12.62	50.00	7.48	P		OUT
QL02131	62 Fluorotelomer phosphate diester	4004-51-7	F(C)(F)CCOP(=O)(OCCC(F)(F)(F)(C)(F)(F)(C)(F)(F)O(C)(F)(C)(F)(F)(C)(F)(F)(C)(F)(C)(F)J(F)F	-11.59	46.43	7.03	P		OUT
QL02133	Bis(3,5,6-trichloro-2,2,3,4,4,5,6,6-octafluoro-1-oxohexyl)pero	28285-49-6	F(C)(F)(Cl)(C)(F)(Cl)(C)(F)(C)(F)(Cl)(C)(F)(Cl)(C)(F)(F)Cl	-10.93	57.89	6.61	P		OUT
QL02134	3,5,6-Trichloro-2,2,3,4,4,5,6,6-octafluorohexanoyl chloride	1422-98-6	F(C)(F)(Cl)(C)(F)(Cl)(C)(F)(C)(F)(Cl)(C)(F)(Cl)(C)(F)(Cl)=O	-8.14	63.16	5.25	P		IN
QL02135	4,5-Dichloroperfluoro-3-oxapantanesulfonyl fluoride	144728-59-6	F(Cl)(F)(Cl)(C)(F)(Cl)OC(F)(F)(F)(F)(S)=O=O	-7.76	55.56	5.15	P		IN
QL02136	1,1,3-trichloro-1,2,2,3,3-pentafluoropropane	1652-81-9	F(Cl)(F)(Cl)(F)(C)(F)(Cl)(F)	-6.10	72.73	4.20	P		OUT
QL02137	1,8-Dichloroperfluorooctane	647-25-6	F(Cl)(F)(Cl)(C)(F)(F)(C)(F)(F)(C)(F)(F)(C)(F)(F)(C)(F)(F)Cl	-9.57	69.23	5.86	P		OUT
QL02138	1-Chloro-8-iodoperfluorooctane	16486-98-9	F(C)(F)(Cl)(C)(F)(F)(C)(F)(F)(C)(F)(F)(C)(F)(F)(C)(F)(F)I	-9.57	69.23	5.86	P		OUT
QL02139	11-chloroperfluoro-3-oxaundecanesulfonyl fluoride	73606-15-2	F(C)(F)(Cl)(C)(F)(F)(C)(F)(F)(C)(F)(F)(C)(F)(F)(C)(F)(F)OC(F)(F)(F)(F)(S)=O=O	-10.77	61.11	6.50	P		OUT
QL02140	1-Chloro-6-iodoperfluorohexane	16486-97-8	F(C)(F)(Cl)(C)(F)(F)(C)(F)(F)(C)(F)(F)(C)(F)I	-8.50	70.00	5.35	P		OUT
QL02142	1,4-Dichloro-1,1,2,2,3,3,4,4-octafluorobutane	355-24-8	F(C)(F)(Cl)(C)(F)(F)(C)(F)(F)(Cl)	-7.06	71.43	4.66	P		OUT
QL02143	1,3-Dichloro-1,1,2,2,3,3,4,4-hexafluoropropane	662-01-1	F(C)(F)(Cl)(C)(F)(F)(C)(F)(Cl)	-6.10	72.73	4.20	P		OUT
QL02144	1H,1H,6H,6H-Perfluorohexane-1,6-diol diacrylate	2264-01-9	F(C)(F)COC(=O)=C=C(F)(C)(F)(F)(F)(F)COC(=O)C=C	-8.29	23.53	5.71	P		OUT
QL02145	1H,1H,5H,5H-Perfluoro-1,5-pentadiol diacrylate	678-95-5	F(C)(F)COC(=O)=C=C(F)(C)(F)(F)(F)COC(=O)C=C	-7.64	19.35	5.45	P		OUT
QL02146	1,5-bis(2,3-epoxypropoxyl)-2,2,3,3,4,4-hexafluoropentane	4798-39-4	F(C)(F)COC(C1OC1)(C)(F)(F)(F)COC(C2OC2	-8.24	17.14	5.75	P		OUT
QL02147	cis-Perfluoro-2,4-dimethylcyclobutane	1583-97-7	F(C)(F)F[C@H](F)(C)(F)F[C@H](F)(C)(F)(F)C@H](F)(C)(F)(F)C1(F)F	-9.10	66.67	5.67	P		IN
QL02148	(2R,4R)-1,1,2,3,3,4-Hexafluoro-2,4-bis(trifluoromethyl)cyclobu	1583-98-8	F(C)(F)F[C@H](F)(C)(F)F[C@H](F)(C)(F)(F)C1(F)F	-9.10	66.67	5.67	P		IN
QL02149	double bond-, ether-substituted perfluoroalkyl (linear) carboxylic acids, n=4		F(C)(F)(F)/C(F)=C(F)/C(F)(F)(C)(F)(F)(C)(F)(F)OC(F)(F)(C)(F)=O	-9.40	53.57	5.94	P		IN
QL02150	double bond-, ether-substituted perfluoroalkyl (linear) carboxylic acids, n=3		F(C)(F)(F)/C(F)=C(F)/C(F)(F)(C)(F)(F)(F)OC(F)(F)(C)(F)=O	-8.88	52.00	5.71	P		IN
QL02151	double bond-, ether-substituted perfluoroalkyl (linear) carboxylic acids, n=1		F(C)(F)(F)/C(F)=C(F)/C(F)(F)(F)OC(F)(F)(C)(F)=O	-8.28	50.00	5.45	P		IN
QL02152	double bond-, ether-substituted perfluoroalkyl (linear) carboxylic acids, n=2		F(C)(F)(F)/C(F)=C(F)/C(F)(F)OC(F)(F)(C)(F)=O	-7.59	47.37	5.15	P		IN
QL02153	double bond-, ether-substituted perfluoroalkyl (linear) carboxylic acids, n=0		F(C)(F)(F)/C(F)=C(OC(F)(F)(C)(F)=O)=OF	-6.76	43.75	4.80	P		IN
QL02154	H-substituted perfluoroalkyl (linear) sulfonic acids, ii, n=8		F(C)(F)(F)(C)(H))F(C)(F)(F)(C)(F)(F)(C)(F)(F)(C)(F)(F)(F)(F)(F)(S)=O)(O)=O	-10.41	55.56	6.39	P		IN
QL02155	H-substituted perfluoroalkyl (linear) sulfonic acids, ii, n=7		F(C)(F)(F)(C)(H))F(C)(F)(F)(C)(F)(F)(C)(F)(F)(C)(F)(F)(F)(F)(F)(S)=O)(O)=O	-10.00	54.55	6.21	P		IN
QL02156	H-substituted perfluoroalkyl (linear) sulfonic acids, ii, n=6		F(C)(F)(F)(C)(H))F(C)(F)(F)(C)(F)(F)(C)(F)(F)(C)(F)(F)(F)(F)(F)(S)=O)(O)=O	-9.55	53.33	6.01	P		IN
QL02157	H-substituted perfluoroalkyl (linear) sulfonic acids, ii, n=5		F(C)(F)(F)(C)(H))F(C)(F)(F)(C)(F)(F)(F)(F)(F)(C)(F)(F)(S)=O)(O)=O	-9.05	51.85	5.79	P		IN
QL02158	H-substituted perfluoroalkyl (linear) sulfonic acids, ii, n=4		F(C)(F)(F)(C)(H))F(C)(F)(F)(C)(F)(F)(F)(F)F(C)(F)(F)(S)=O)(O)=O	-8.48	50.00	5.54	P		IN
QL02159	H-substituted perfluoroalkyl (linear) sulfonic acids, ii, n=3		F(C)(F)(F)(C)(H))F(C)(F)(F)(C)(F)(F)F(S)=O)(O)=O	-7.82	47.62	5.25	P		IN
QL02160	H-substituted perfluoroalkyl (linear) sulfonic acids, ii, n=2		F(C)(F)(F)(C)(H))F(C)(F)(F)(F)(F)F(S)=O)(O)=O	-7.04	44.44	4.92	P		IN
QL02161	H-substituted perfluoroalkyl (linear) sulfonic acids, ii, n=1		F(C)(F)(F)(C)(H))F(C)(F)(F)(F)F(S)=O)(O)=O	-6.10	40.00	4.52	P		IN
QL02162	Perfluoro-3-ethyl-2,4-dimethyl-2-pentene	30320-26-4	F(C)(F)(F)C=C(C(F)(F)(F)(C)(F)(F)(C)(F)(F)F)C(F)(F)(C)(F)(F)F	-9.68	66.67	5.94	P		IN
QL02163	1,1-Bis(trifluoromethyl)ethylene	382-10-5	F(C)(F)F(C)=C(C)(F)F	-5.25	50.00	4.03	P		IN
QL02164	5-Fluoro-5,7,7-tris(trifluoromethyl)-6-(2,2,2-trifluoro-1-(trifluo	94333-56-9	F(C)(F)(F)C=C1(C)(F)(OCCOC1(C)(F)(F)(F)(F)(F)(F)(F)(F)F	-10.74	48.48	6.61	P		OUT
QL02165	3-Trifluoromethylperfluoro-2-pentanone	93830-92-3	F(C)(F)(F)C=O(C)(F)(C)(F)(F)(C)(F)F	-8.14	63.16	5.25	P		IN
QL02166	1,1,1,3,4,4,4-Heptafluoro-3-(trifluoromethyl)butan-2-one	756-12-7	F(C)(F)(F)C=O(C)(F)(C)(F)(F)(C)(F)F	-7.42	62.50	4.92	P		IN
QL02167	1,1,1,3,3,4,4,5,5-Nonafluoro-4-(trifluoromethyl)pentan-2-one	73041-05-1	F(C)(F)(F)C=O(C)(F)(C)(F)(C)(F)(F)(C)(F)F	-8.14	63.16	5.25	P		IN
QL02168	ketone perfluoroalkyl (linear) carboxylic acids, n=8		F(C)(F)(F)C=O(C)(F)(F)(C)(F)(F)(C)(F)(F)(C)(F)(F)(C)(F)(F)(F)(F)(F)(F)F(S)=O)(O)=O	-10.39	54.29	6.39	P		IN
QL02169	ketone perfluoroalkyl (linear) carboxylic acids, n=7		F(C)(F)(F)C=O(C)(F)(F)(C)(F)(F)(C)(F)(F)(C)(F)(F)(C)(F)(F)(F)(F)(F)(F)F(S)=O)(O)=O	-9.97	53.13	6.21	P		IN
QL02170	ketone perfluoroalkyl (linear) carboxylic acids, n=5		F(C)(F)(F)C=O(C)(F)(F)(C)(F)(F)(C)(F)(F)(C)(F)(F)(F)(F)(F)(F)(F)F(S)=O)(O)=O	-9.01	50.00	5.79	P		IN
QL02171	ketone perfluoroalkyl (linear) carboxylic acids, n=4		F(C)(F)(F)C=O(C)(F)(F)(C)(F)(F)(C)(F)(F)(C)(F)(F)(F)(F)(F)(F)F(S)=O)(O)=O	-8.43	47.83	5.54	P		IN
QL02172	ketone perfluoroalkyl (linear) carboxylic acids, n=3		F(C)(F)(F)C=O(C)(F)(F)(C)(F)(F)(F)(F)F(S)=O)(O)=O	-7.76	45.00	5.25	P		IN
QL02173	2,2,2-Trifluoro-1-[4-(tridecafluorohexyl)phenyl]ethan-1-one	171183-94-1	F(C)(F)(F)C(=O)C1ccc(cc1)(F)(F)(C)(F)(F)(C)(F)(F)(C)(F)(F)(F)(F)(F)(F)(F)F	-10.70	45.71	6.62	P		OUT
QL02174	1,1,1,5,5,6,6,7,7,8,8,9,9,10,10,10-hexadecafluorodecane-2,4-c	147874-76-8	F(C)(F)(F)C(=O)CC(=O)C(F)(F)(C)(F)(F)(C)(F)(F)(F)(F)(F)(F)(F)F	-9.55	53.33	6.01	P		IN
QL02175	1,1,1,5,5,6,6,7,7,8,8-dodecafluorooctane-2,4-dione	261503-40-6	F(C)(F)(F)C(=O)CC(=O)C(F)(F)(C)(F)(F)(C)(F)(F)(F)(F)F	-8.48	50.00	5.54	P		IN
QL02176	3H,3H-Perfluorooheptane-2,4-dione	20583-66-8	F(C)(F)(F)C(=O)CC(=O)C(F)(F)(C)(F)(F)(F)F	-7.82	47.62	5.25	P		IN
QL02177	3H,3H-Perfluoro-2,4-hexanedione	20825-07-4	F(C)(F)(F)C(=O)CC(=O)C(F)(F)(F)F	-7.04	44.44	4.92	P		IN
QL02178	3-(Perfluorohexyl)-1-(trifluoroacetyl)-5-(trifluoromethyl)-1H-p	261778-38-5	F(C)(F)(F)C(=O)N1N=C(C=C1C(F)(F)(F)(F)(F)(F)(F)(F)(F)(F)(F)(F)(F)(F)(F)(F)F	-11.35	54.29	6.84	P		OUT
QL02179	2,2,3,3,4,4,4-Heptafluorobutyl trifluoroacetate	1365808-09-8	F(C)(F)(F)C(=O)OCC(F)(F)(F)(F)(F)(F)F	-7.64	50.00	5.15	P		IN
QL02180	2,2,3,3,4,4,4-Heptafluoro-N-[(trifluoroacetyl)oxy]butanamide	88326-80-1	F(C)(F)(F)C(=O)ONC(=O)C(F)(F)(C)(F)(F)(F)F	-8.03	47.62	5.35	P		IN
QL02181	1,1,1,3,3,5,5-Octafluoro-2,2,4,4-tetrakis(trifluoromethyl)pen	62375-54-6	F(C)(F)(F)C(C)(F)(F)(C)(F)(F)(C)(F)(F)(C)(F)(F)(F)(F)(F)(F)(F)F	-10.02	68.97	6.08	P		IN
QL02182	Perfluoro-2,2,5,5-tetramethylhexane	71076-47-6	F(C)(F)(F)C(C)(F)(F)(C)(F)(F)(C)(F)(F)(C)(F)(F)(C)(F)(F)(C)(F)(F)F	-10.43	68.75	6.27	P		IN
QL02183	2,2-bis(Trifluoromethyl)perfluoropropane	374-51-6	F(C)(F)(F)C(C)(F)(F)(C)(F)(F)(C)(F)F	-7.84	70.59	5.04	P		OUT
QL02184	Perfluoro tert-butylcyclohexane	84808-64-0	F(C)(F)(C)(C)(F)(F)(C)(F)(F)C1(C)(F)(C)(F)(F)(C)(F)(F)(C)(F)(F)C1(F)F	-11.22	66.67	6.66	P		OUT

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QL02403	2-Chloro-3,4,4,5,5,6,6,6-nonafluorohex-1-ene	110927-72-5	FC(F)F(C)F(F)C(F)F(C)F(C)C)=C	-7.27	55.56	4.92	P		IN
QL02404	Nonafluoropentanoyl chloride	375-60-0	FC(F)F(C)F(F)C(F)F(C)F(C)F(C)Cl=O	-7.42	62.50	4.92	P		IN
QL02405	5,6-Dichloro-1,1,1,2,2,3,3,4,4-nonafluorohexane	136483-77-7	FC(F)F(C)F(F)C(F)F(C)F(C)F(C)CCl	-7.51	55.00	5.04	P		IN
QL02406	Perfluoro-3-methylheptane	153273-33-5	FC(F)F(C)F(F)C(F)F(C)F(C)F(C)F(F)F	-9.57	69.23	5.86	P		OUT
QL02407	2,2,3,3,4,4,5,5,6,6,6-Undecafluoro-N-(2-phenylethyl)hexanamide	70414-01-6	FC(F)F(C)F(F)C(F)F(C)F(C)F(C)F(C)C(=O)Nc1ccccc1	-9.49	29.73	6.21	P		OUT
QL02408	Perfluorohexanoic anhydride	308-13-4	FC(F)F(C)F(F)C(F)F(C						

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QL02930	2-(Nonafluorobutyl)-4H-1-benzopyran-4-one	304877-96-1	F(C(F)(F)(C(F)(F)(C(F)(F)(C(F)(F)C1=CC(=O)c2ccccc2O1	-10.37	31.03	6.61	P	OUT
QL02931	6-(Nonafluorobutyl)-2-phenylpyrimidin-4(3H)-one	180748-44-1	F(C(F)(F)(C(F)(F)(C(F)(F)(C(F)(F)C1=Cc1ccccc1C1cccc1	-10.38	27.27	6.65	P	OUT
QL02932	6-(Nonafluorobutyl)-2-sulfanylidene-2,3-dihdropyrimidin-4(1	1426894-99-6	F(C(F)(F)(C(F)(F)(C(F)(F)(C(F)(F)C1=CC(=O)NC(=S)N1	-8.89	37.50	5.86	P	IN
QL02933	9-(Nonafluorobutyl)-2,3,6,7-tetrahydro-1H,5H,11H-pyrano[2,	355822-08-1	F(C(F)(F)(C(F)(F)(C(F)(F)(C(F)(F)C1=CC(=O)Oc2c3CCCC4CCC(cc12)c34	-13.66	20.00	8.26	P	OUT
QL02934	Benzene, (nonafluorobutyl)-	2398-75-6	F(C(F)(F)(C(F)(F)(C(F)(F)(C(F)(F)C1=CC=CC=C1	-8.35	37.50	5.60	P	IN
QL02935	2-(Nonafluorobutyl)-1H-indene	1608112-37-3	F(C(F)(F)(C(F)(F)(C(F)(F)(C(F)(F)C1=Cc2ccccc2C1	-9.91	31.03	6.39	P	OUT
QL02936	SCHMBL1270621	58671-28-6	F(C(F)(F)(C(F)(F)(C(F)(F)(C(F)(F)C1=CN(C(=O)NC1=O	-8.89	37.50	5.86	P	IN
QL02937	4-(Nonafluorobutyl)-1,3-dihydro-2H-1,5-benzodiazepin-2-one	96146-12-2	F(C(F)(F)(C(F)(F)(C(F)(F)(C(F)(F)C1=Nc2ccccc2NC(=O)C1	-10.52	28.13	6.71	P	OUT
QL02938	2-(Nonafluorobutyl)-1-benzofuran	1608112-36-2	F(C(F)(F)(C(F)(F)(C(F)(F)(C(F)(F)F1c1cc2ccccc2O1	-9.96	33.33	6.39	P	OUT
QL02939	2-(Nonafluorobutyl)-1-benzothiophene	1608112-38-4	F(C(F)(F)(C(F)(F)(C(F)(F)(C(F)(F)F1c1cc2ccccc2S1	-9.96	33.33	6.39	P	OUT
QL02940	4-(Nonafluorobutyl)benzene-1,2-dicarbonitrile	1207299-71-5	F(C(F)(F)(C(F)(F)(C(F)(F)(C(F)(F)F1c1ccc(#[N]c(c1)C#N	-9.29	34.62	6.07	P	OUT
QL02941	1-Ethenyl-4-(nonafluorobutyl)benzene	159241-92-6	F(C(F)(F)(C(F)(F)(C(F)(F)(C(F)(F)F1c1ccc(C=C)cc1	-8.78	32.14	5.85	P	OUT
QL02942	4-(Nonafluorobutyl)benzonitrile	137052-16-5	F(C(F)(F)(C(F)(F)(C(F)(F)(C(F)(F)F1c1ccc(c1)C#N	-8.86	36.00	5.85	P	IN
QL02943	7-(Nonafluorobutyl)-1-benzothiophene	1608112-40-8	F(C(F)(F)(C(F)(F)(C(F)(F)(C(F)(F)F1c1cccc2ccsc12	-9.91	33.33	6.37	P	OUT
QL02944	Tetrahydro(perfluorobutyl)furan	26446-99-3	F(C(F)(F)(C(F)(F)(C(F)(F)(C(F)(F)C1CCCCO1	-8.01	36.00	5.46	P	IN
QL02945	2-(Nonafluorobutyl)thiophene	96721-81-2	F(C(F)(F)(C(F)(F)(C(F)(F)(C(F)(F)F1cccc1	-8.15	42.86	5.46	P	IN
QL02946	3-(Nonafluorobutyl)-1H-indole	1608112-33-9	F(C(F)(F)(C(F)(F)(C(F)(F)(C(F)(F)F1c1nc2ccccc12	-9.93	32.14	6.39	P	OUT
QL02947	Nonafluorobutylepoxide	89807-87-4	F(C(F)(F)(C(F)(F)(C(F)(F)(C(F)(F)C1CO1	-7.51	47.37	5.11	P	IN
QL02948	4-(Nonafluorobutyl)-1,3-dioxolan-2-one	1469980-27-5	F(C(F)(F)(C(F)(F)(C(F)(F)(C(F)(F)C1COC(=O)O1	-8.42	40.91	5.60	P	IN
QL02949	3-(Nonafluorobutyl)-1-benzothiophene	1608112-39-5	F(C(F)(F)(C(F)(F)(C(F)(F)(C(F)(F)F1c1cs2ccccc2S1	-9.96	33.33	6.39	P	OUT
QL02950	2-(Nonafluorobutyl)-1H-indole	1608112-34-0	F(C(F)(F)(C(F)(F)(C(F)(F)(C(F)(F)F1c1Nc2ccccc2C1	-9.93	32.14	6.39	P	OUT
QL02951	3-(Nonafluorobutyl)-5-phenyl-1H-pyrazole	204130-95-0	F(C(F)(F)(C(F)(F)(C(F)(F)(C(F)(F)F1c1nnc(c1)c1ccccc1	-10.06	29.03	6.48	P	OUT
QL02952	11-(Nonafluorobutyl)-9,10-dihydro-9,10-(epithiomethano)ant	267648-90-8	F(C(F)(F)(C(F)(F)(C(F)(F)(C(F)(F)F1C1SC2C3CCCC3C1c1cccc2C1	-13.27	22.50	8.05	P	OUT
QL02953	3,3,4,4,5,5,6,6-Nonafluorohekanoyl chloride	64018-24-2	F(C(F)(F)(C(F)(F)(C(F)(F)(C(F)(F)F1CCCCl)=O	-7.46	52.63	5.04	P	IN
QL02954	Thiols, C10-20, gamma.-omega.-perfluoro (Perfluoroalkyl)C8	68140-21-6	F(C(F)(F)(C(F)(F)(C(F)(F)(C(F)(F)F1CCCC(F)(F)(F)CCS	-9.08	45.45	5.86	P	IN
QL02955	1,1,1,2,2,3,3,4,4,6,6,8,8-Tridecafluoro-10-iododecane	272451-64-6	F(C(F)(F)(C(F)(F)(C(F)(F)(C(F)(F)F1CCCC(F)(F)(F)CCI	-8.71	43.75	5.71	P	IN
QL02956	1,1,1,2,2,3,3,4,4,6,6,8,8-Tridecafluoro-8-iodooctane	99325-17-4	F(C(F)(F)(C(F)(F)(C(F)(F)(C(F)(F)F1CCCC(F)(F)(F)CI	-8.56	53.85	5.54	P	IN
QL02957	1,1,1,2,2,3,3,4,4,6,6-Undecafluoro-8-iodooctane	53626-95-2	F(C(F)(F)(C(F)(F)(C(F)(F)(C(F)(F)F1CCCC(F)(F)(F)CI	-8.00	46.15	5.35	P	IN
QL02958	4-(Perfluorobutyl)-3,3-difluorobutanedisulfonyl chloride	1225375-54-1	F(C(F)(F)(C(F)(F)(C(F)(F)(C(F)(F)F1CCCC(F)(F)(F)CS(=O)(=O)O	-8.48	41.38	5.62	P	IN
QL02959	1-(3,3,4,4,5,5,6,6-Nonafluoro-1-iodohexyl)-2,8,9-trioxa-5-az	135587-13-2	F(C(F)(F)(C(F)(F)(C(F)(F)(C(F)(F)F1CCCC(F)(F)(F)COC(=O)COC(=O)C	-10.47	23.81	6.73	P	OUT
QL02960	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,11,11,12,12,13,13,14,14,14-H	53638-10-1	F(C(F)(F)(C(F)(F)(C(F)(F)(C(F)(F)F1CCCC(F)(F)(F)C(F)(

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QL03073	3-(2,2,3,3,4,4,4-Heptafluorobutylidene)oxolan-2-one	89608-45-7	F(C(F)(F)(C(F)(F)(F))C=C1CCOC1=O	-7.82	31.82	5.41	P	OUT
QL03074	4,4,5,5,6,6-Heptafluoro-1-phenylhex-2-en-1-one	110960-47-9	F(C(F)(F)(C(F)(F)(F))C=C1C=O)c1ccccc1	-8.30	25.93	5.69	P	OUT
QL03075	1,1,1,2,2,3,3,6,6,7,7,8,8,9,10,10,11,11,11-tcosafluoroundec-1-ene	100603-63-2	F(C(F)(F)(C(F)(C(F)(F))C=C(C(F)(F)(F)(F)(C(F)(F)(C(F)(F)(F)(F)(F	-10.13	60.61	6.21	P	IN
QL03076	1,1,1,2,2,3,3,6,6,7,7,8,8,9,10,10,10-Octadecafluorodec-4-ene	935477-16-0	F(C(F)(F)(C(F)(C(F)(F))C=C(C(F)(F)(F)(F)(C(F)(F)(C(F)(F)(F)(F)(F	-9.69	60.00	6.01	P	IN
QL03077	1,1,1,2,2,3,3,6,6,7,7,8,8,9,9-Hexadecafluoronon-4-ene	935477-07-9	F(C(F)(F)(C(F)(C(F)(F))C=C(C(F)(F)(F)(F)(C(F)(F)(C(F)(F)(F)(F)(F	-9.20	59.26	5.79	P	IN
QL03078	1,1,1,2,2,3,3,6,6,7,7,8,8,8-Tetradecafluorooct-4-ene	3910-82-5	F(C(F)(F)(C(F)(C(F)(F))C=C(C(F)(F)(F)(F)(C(F)(F)(F)(F)(F	-8.65	58.33	5.54	P	IN
QL03080	3,3,4,4,5,5,5-Heptafluoro-1-iodo-1-pentene	376-97-6	F(C(F)(F)(C(F)(C(F)(F))C=C1	-6.38	53.33	4.52	P	IN
QL03082	(1E)-2,2,3,3,4,4,4-Heptafluoro-N-phenylbutan-1-imine	62765-24-6	F(C(F)(F)(C(F)(C(F)(F))C=N1C=CC=CC=C1	-7.98	29.17	5.51	P	OUT
QL03083	(1E)-2,2,3,3,4,4,4-Heptafluoro-N-[2-phenylethyl]butan-1-imini	29723-32-8	F(C(F)(F)(C(F)(C(F)(F))C=NCCCC1=CC=CC=C1	-8.25	23.33	5.69	P	OUT
QL03084	Perfluorobutyraldehyde	375-02-0	F(C(F)(F)(C(F)(C(F)(F))C=O	-6.06	53.85	4.37	P	IN
QL03085	Undecafluoro(haftafluoropropyl)cyclohexane	374-59-4	F(C(F)(F)(C(F)(C(F)(F))C1(F)(C(F)(F)(C(F)(F)(C(F)(F)(C(F)(F)F	-10.83	66.67	6.48	P	OUT
QL03086	2,2,3,3,4,4,5,6,6-Nonafluoro-5-(heptafluoropropyl)oxane	801-26-3	F(C(F)(F)(C(F)(C(F)(F))C1(F)(C(F)(F)OC1(F)(C(F)(F)(C(F)(F)C1(F)F	-10.41	64.00	6.31	P	IN
QL03087	3,4,4-Trifluoro-3-(heptafluoropropyl)-1,2-lambda ⁶ -oxathiet	156465-44-0	F(C(F)(F)(C(F)(C(F)(F))C(F)(C1(F)(F)(F)OS1(F)=O)=O	-8.81	52.63	5.67	P	IN
QL03088	2,2,3,3,4,4,5,5,6-Nonafluoro-6-(heptafluoropropyl)tetrahydro	335-35-3	F(C(F)(F)(C(F)(C(F)(F))C1(F)OC(F)(F)(C(F)(F)(C(F)(F)C1(F)F	-10.41	64.00	6.31	P	IN
QL03089	2,2,3,3,4,4,5-Heptafluoro-5-(heptafluoropropyl)oxolane	423-22-3	F(C(F)(F)(C(F)(C(F)(F))C1(F)OC(F)(F)C1(F)(C(F)(F)C1(F)F	-9.78	63.64	6.02	P	IN
QL03090	2,2,3-Trifluoro-3-(heptafluoropropyl)oxirane	74942-19-1	F(C(F)(F)(C(F)(C(F)(F))C1(F)OC1(F)F	-8.09	62.50	5.24	P	IN
QL03091	1,4-Bis(chloromethyl)-2-(heptafluoropropyl)benzene	139263-35-7	F(C(F)(F)(C(F)(C(F)(F))C1=C(Cl)C(Cl)=CC(Cl)=C1	-8.75	33.33	5.83	P	OUT
QL03092	5-(Heptafluoropropyl)-3-phenyl-1H-pyrazole	54864-78-7	F(C(F)(F)(C(F)(C(F)(F))C1=C(C)=NN1C1=CC=CC=C1	-9.51	25.00	6.27	P	OUT
QL03093	6-(Heptafluoropropyl)-2-sulfanylidene-2,3-dihydropyrimidin-4	88191-88-2	F(C(F)(F)(C(F)(C(F)(F))C1=CC(=O)NC(=S)N1	-8.24	33.33	5.59	P	IN
QL03094	1-Bromo-3-(heptafluoropropyl)benzene	53104-06-6	F(C(F)(F)(C(F)(C(F)(F))C1=CC(Br)=CC=C1	-8.05	38.10	5.46	P	IN
QL03095	2-[[4-(Heptafluoropropyl)phenyl]methyl]oxirane	144006-68-8	F(C(F)(F)(C(F)(C(F)(F))C1=CC=C(CC2CO2)C=C1	-8.92	24.14	6.00	P	OUT
QL03096	N-[6-(Heptafluoropropyl)-2-oxo-2H-pyran-3-yl]benzamide	860454-18-8	F(C(F)(F)(C(F)(C(F)(F))C1=CC=C(NC(=O)c2cccc2)C(=O)O1	-10.23	20.59	6.65	P	OUT
QL03097	Quinoline, 4-(heptafluoropropyl)-	181059-73-4	F(C(F)(F)(C(F)(C(F)(F))C1=CC=NC2=C(C=CC=C12	-9.59	26.92	6.29	P	OUT
QL03098	AC1LC6EI	60007-37-6	F(C(F)(F)(C(F)(C(F)(F))C1=CNC(=O)NC1=O	-8.24	33.33	5.59	P	IN
QL03099	5-(Heptafluoropropyl)-2-sulfanylidene-2,3-dihydropyrimidin-4	145663-11-2	F(C(F)(F)(C(F)(C(F)(F))C1=CNC(=S)NC1=O	-8.24	33.33	5.59	P	IN
QL03100	(4S)-4-Benzyl-2-(heptafluoropropyl)-4,5-dihydro-1,3-oxazole	1366341-52-7	F(C(F)(F)(C(F)(C(F)(F))C1=N[C@@H](Cc2cccc2)CO1	-9.60	21.88	6.34	P	OUT
QL03101	2,4,6-Tris(heptafluoropropyl)-1,3,5-triazine	915-76-4	F(C(F)(F)(C(F)(C(F)(F))C1=NC(=NC(=N1)C(F)(C(F)(F)(C(F)(F)(C(F)(F)F	-11.84	58.33	7.03	P	OUT
QL03102	MLS0026948Z	4314-49-2	F(C(F)(F)(C(F)(C(F)(F))C1=NC(=O)ON1	-7.79	41.18	5.30	P	IN
QL03103	Benzimidazole, 5(or 6)-chloro-2-(heptafluoropropyl)-	6866-58-6	F(C(F)(F)(C(F)(C(F)(F))C1=NC2=C(N1)C=C(Cl)C=C2	-9.75	33.33	6.30	P	OUT
QL03104	2-(Heptafluoropropyl)-1H-benzimidazole	559-37-5	F(C(F)(F)(C(F)(C(F)(F))C1=NC2=CC=CC=C2N1	-9.38	29.17	6.16	P	OUT
QL03105	2-(Perfluoropropyl)benzoxazole	2008-06-2	F(C(F)(F)(C(F)(C(F)(F))C1=NC2=CC=CC=C2O1	-9.40	30.43	6.16	P	OUT
QL03106	4-(Heptafluoropropyl)-1,3-dihydro-2H-1,5-benzodiazepin-2-ol	96146-10-0	F(C(F)(F)(C(F)(C(F)(F))C1=NC2cccc2NC(=O)C1	-10.00	24.14	6.50	P	OUT
QL03107	2-(heptafluoropropyl)-4,5-dihydro-1H-imidazole	4472-70-2	F(C(F)(F)(C(F)(C(F)(F))C1=NCNC1	-7.32	35.00	5.14	P	IN
QL03108	2-(Heptafluoropropyl)-1-phenyl-4,5-dihydro-1H-imidazole	1069085-53-5	F(C(F)(F)(C(F)(C(F)(F))C1=NCNC1c1ccccc1	-9.47	23.33	6.27	P	OUT
QL03109	1-Benzyl-2-(heptafluoropropyl)-4,5-dihydro-1H-imidazole	1069085-51-3	F(C(F)(F)(C(F)(C(F)(F))C1=NCNC1Cc1ccccc1	-9.47	21.21	6.34	P	OUT
QL03110	2-Perfluoropropyl-5-phenyl-1,3,4-oxadiazole	5756-67-2	F(C(F)(F)(C(F)(C(F)(F))C1=NN=C(O1)C1=CC=CC=C1	-9.55	26.92	6.27	P	OUT
QL03111	5-(heptafluoropropyl)-1-phenyl-1H-tetrazole	2712-85-8	F(C(F)(F)(C(F)(C(F)(F))C1=NN=NN1C1=CC=CC=C1	-9.55	26.92	6.27	P	OUT
QL03112	4-Bromo-2-(heptafluoropropyl)pyridine	1816283-37-0	F(C(F)(F)(C(F)(C(F)(F))C1=cc(Br)ccn1	-8.09	40.00	5.46	P	IN
QL03113	4-Chloro-2-(heptafluoropropyl)pyridine	1816283-32-5	F(C(F)(F)(C(F)(C(F)(F))C1=cc(Cl)ccn1	-8.09	40.00	5.46	P	IN
QL03114	1-Bromo-4-(heptafluoropropyl)benzene	117874-91-6	F(C(F)(F)(C(F)(C(F)(F))C1=ccc(Br)cc1	-8.05	38.10	5.46	P	IN
QL03115	5-Bromo-2-(heptafluoropropyl)pyridine	1816282-96-8	F(C(F)(F)(C(F)(C(F)(F))C1=ccc(Br)cn1	-8.09	40.00	5.46	P	IN
QL03116	1-(Heptafluoropropyl)-4-iodobenzene	1417885-93-8	F(C(F)(F)(C(F)(C(F)(F))C1=ccc(I)cc1	-8.05	38.10	5.46	P	IN
QL03117	N-[5-(Heptafluoropropyl)](1,1'-biphenyl)-2-yl]benzamide	748785-00-4	F(C(F)(F)(C(F)(C(F)(F))C1=ccc(NC(=O)c2cccc2)c(c1)c1ccccc1	-11.40	15.56	7.24	P	OUT
QL03118	2-(Heptafluoropropyl)quinoline	57702-79-1	F(C(F)(F)(C(F)(C(F)(F))C1=ccc2cccc2n1	-9.59	26.92	6.29	P	OUT
QL03119	5-(Heptafluoropropyl)isoquinoline-1-carbaldehyde	31181-32-5	F(C(F)(F)(C(F)(C(F)(F))C1=ccc2c(C=O)nc1c2	-10.07	25.00	6.53	P	OUT
QL03120	(Heptafluoropropyl)benzene	378-98-3	F(C(F)(F)(C(F)(C(F)(F))C1=cccc1	-7.64	33.33	5.31	P	IN
QL03121	2-(Heptafluoropropyl)cyclohexan-1-one	61282-91-5	F(C(F)(F)(C(F)(C(F)(F))C1=CCCCC1=O	-7.82	26.92	5.46	P	OUT
QL03122	1-(heptafluoropropyl)-2-iodocyclohexane	2728-75-8	F(C(F)(F)(C(F)(C(F)(F))C1=CCCCC1I	-7.88	29.63	5.46	P	OUT
QL03123	3-(Heptafluoropropyl)oxolane	143837-48-3	F(C(F)(F)(C(F)(C(F)(F))C1=CCOC1	-7.25	31.82	5.14	P	IN
QL03124	5-(Heptafluoropropyl)dihydropyrimidine-2,4(1H,3H)-dione	90715-84-7	F(C(F)(F)(C(F)(C(F)(F))C1=CN(C=O)NC1=O	-8.18	30.43	5.59	P	OUT
QL03125	5-(Heptafluoropropyl)pyrimidine	1354703-21-1	F(C(F)(F)(C(F)(C(F)(F))C1=cnnc1	-7.71	36.84	5.31	P	IN
QL03126	2-(Heptafluoropropyl)oxirane	51035-20-2	F(C(F)(F)(C(F)(C(F)(F))C1CO1	-6.65	43.75	4.74	P	IN
QL03127	5-(Heptafluoropropyl)-1H-pyrrole-2-carbaldehyde	123825-52-5	F(C(F)(F)(C(F)(C(F)(F))C1=NC(C=O)C=O	-7.93	33.33	5.45	P	IN
QL03128	4,6-Dichloro-2-(heptafluoropropyl)pyrimidine	1023815-55-1	F(C(F)(F)(C(F)(C(F)(F))C1=nc(Cl)cc(Cl)n1	-8.54	47.37	5.59	P	IN
QL03129	2-(Heptafluoropropyl)-1H-indole	123825-50-3	F(C(F)(F)(C(F)(C(F)(F))C1=NC2=cccc2c1	-9.35	28.00	6.16	P	OUT
QL03130	2-(Heptafluoropropyl)-3-phenylquinoxaline	69492-70-2	F(C(F)(F)(C(F)(C(F)(F))C1=NC2=cccc2nc1c1ccccc1	-11.26	20.00	7.13	P	OUT
QL03131	4-Chloro-2-(heptafluoropropyl)pyrimidine	937676-00-1	F(C(F)(F)(C(F)(C(F)(F))C1=ccc(Cl)n1	-8.14	42.11	5.46	P	IN
QL03132	2-(Heptafluoropropyl)-1H-pyrrole	118425-75-5	F(C(F)(F)(C(F)(C(F)(F))C1=NCc1	-7.36	36.84	5.14	P	IN
QL03133	1-(Heptafluoropropyl)isoquinoline	70414-12-9	F(C(F)(F)(C(F)(C(F)(F))C1=ccc2cccc12	-9.59	26.92	6.29	P	OUT
QL03134	2-(Heptafluoropropyl)pyrimidine	133391-64-7	F(C(F)(F)(C(F)(C(F)(F))C1=cnccn1	-7.71	36.84	5.31	P	IN
QL03135	Imidazolidine, 2-heptafluoropropyl-	31185-53-2	F(C(F)(F)(C(F)(C(F)(F))C1=NCNC1	-7.25	31.82	5.14	P	IN
QL03136	2-(Heptafluoropropyl)-1H-imidazole	81769-47-3	F(C(F)(F)(C(F)(C(F)(F))C1=NCcn1	-7.40	38.89	5.14	P	IN
QL03138	4-Bromo-3-(heptafluoropropyl)-5-phenyl-1H-pyrazole	82633-52-1	F(C(F)(F)(C(F)(C(F)(F))C1=Nn(C18r)c1ccccc1	-9.78	28.57	6.36	P	OUT
QL03139	5-(Heptafluoropropyl)-3-phenyl-1H-1,2,4-triazole	2195-67-7	F(C(F)(F)(C(F)(C(F)(F))C1=Nncc(n1)c1ccccc1	-9.53	25.93	6.27	P	OUT
QL03140	3-(Heptafluoropropyl)-6-(morpholin-4-yl)[1,2,4]triazolo[4,3-b]	296886-61-8	F(C(F)(F)(C(F)(C(F)(F))C1=nn2cccc(nn12)N1CCOC1	-11.27	20.00	7.14	P	OUT
QL03141	3-(Heptafluoropropyl)-1H-pyrazole	158148-63-1	F(C(F)(F)(C(F)(C(F)(F))C1=nnCc1	-7.40	36.89	5.14	P	IN
QL03142	2(SH)-Furanone, 5-(heptafluoropropyl)-	143469-51-6	F(C(F)(F)(C(F)(C(F)(F))C1OC(=O)C=C1	-7.70	36.84	5.30	P	IN
QL03143	2-(Heptafluoropropyl)-1,3-dioxolane	109799-66-8	F(C(F)(F)(C(F)(C(F)(F))C1=OCCO1	-7.32	35.00	5.14	P	IN
QL03144	Allyl heptafluorobutyrate	17165-55-8	F(C(F)(F)(C(F)(C(F)(F))CC(=O)OC=C	-6.81	33.33	4.92	P	IN
QL03145	1,1,1,2,2,3,3,10,10,11,11,12,12,12-Tetradecafluoro-5,8-diiodo	2357-30-4	F(C(F)(F)(C(F)(C(F)(F))C1=CC(C1)CC(C1)C(F)(C(F)(F)(F)F	-9.32	42.11	6.01	P	IN
QL03146	1,1,1,2,2,3,3,11,11,12,12,13,13,13-Tetradecafluoro-5,9-diiodo	1644-06-0	F(C(F)(F)(C(F)(C(F)(F))C1=CC(C1)CC(C1)C(F)(C(F)(F)(F)F	-9.40	39.02	6.08	P	IN
QL03147	Trichloro(3,3,4,4,5,5-heptafluoropentyl)silane	866-24-0	F(C(F)(F)(C(F)(C(F)(F))CC(Si)(Cl)(Cl)Cl	-7.16	50.00	4.92	P	IN
QL03148	3,3,4,4,5,5,5-heptafluoropentanal	126015-32-5	F(C(F)(F)(C(F)(C(F)(F))CC=O	-6.18	43.75	4.52	P	IN
QL03149	(2,2,3,3,4,4,4-Heptafluorobutyl)benzene	81664-99-5	F(C(F)(F)(C(F)(C(F)(F))C1=cccc1	-7.77	29.17	5.41	P	OUT
QL03150	1H,1H-Heptafluorobutyl epoxide	1765-92-0	F(C(F)(F)(C(F)(C(F)(F))C1C1CO1	-6.79	36.84	4.88	P	IN
QL03151	2-(2,3,3,4,4,4-Heptafluorobutyl)-1,3-dioxolane	175607-87-1	F(C(F)(F)(C(F)(C(F)(F))C1=OCCO1	-7.46	30.43	5.25	P	OUT

QLO3152	5-Bromo-1,1,2,2,3,3-heptafluoropentane	355-94-1	FC(F)(F)C(F)(F)C(F)FCBr	-6.25	47.06	4.52	P		IN
QLO3153	1,1,1,2,2,3,4,4,5,5,6,6,9,10,10,11,11-icosafluoroundeca-	777931-73-4	FC(F)(F)C(F)(F)C(F)FC(CCC(F)(F)C(F)C(F)C(F)C(F)C(F)F)	-8.06	57.14	6.21	P		IN
QLO3154	1,1,1,2,2,3,3,6,6,7,7,8,8,8-Tetradecafluoroctane	1835251-92-7	FC(F)(F)C(F)C(F)C(F)C(CCF)(F)C(F)C(F)C(F)F	-10.66	53.85	5.54	P		IN
QLO3155	7-Bromo-1,1,1,2,2,3,3-heptafluoroheptane	1391033-22-9	FC(F)(F)C(F)C(F)C(F)CCCCBr	-6.58	34.78	4.80	P		IN
QLO3156	1,1,1,2,2,3,3,10,10,11,11,12,12,12-Tetradecafluorododecane	69125-82-2	FC(F)(F)C(F)C(F)C(F)C(CCCCCCCC(F)(F)C(F)C(F)C(F)F)	-8.90	36.84	5.86	P		IN
QLO3157	1,1,1,2,2,3,3,12,12,13,13,14,14,14-Tetradecafluorotetradecan	1835251-91-6	FC(F)(F)C(F)C(F)C(F)CCCCCCCCC(F)C(F)C(F)C(F)F	-9.10	31.82	6.01	P		OUT
QLO3158	1,1,1,2,2,3,3,14,14,15,15,16,16,16-Tetradecafluorohexadecan	168169-26-4	FC(F)(F)C(F)C(F)C(F)CCCCCCCCC(F)C(F)C(F)C(F)F	-9.31	28.00	6.14	P		OUT
QLO3159	1,1,1,2,2,3,3-Heptafluoro-7-iodoheptane	2967-60-4	FC(F)(F)C(F)C(F)C(F)CCCCI	-6.58	34.78	4.80	P		IN
QLO3160	1,1,1,2,2,3,3-Heptafluoro-5-iodopentane	68188-12-5	FC(F)(F)C(F)C(F)C(F)CCI	-6.25	47.06	4.52	P		IN
QLO3161	1,1,1,2,2,3,3-Heptafluoro-4-chlorobutane	374-97-0	FC(F)(F)C(F)C(F)C(F)Cl	-6.13	57.14	4.37	P		IN
QLO3162	Heptafluorobutyl iodide	374-98-1	FC(F)(F)C(F)C(F)C(F)CI	-6.13	57.14	4.37	P		IN
QLO3163	1-chloro-1,1,2,2,3,3,3-heptafluoropropane	422-86-6	FC(F)(F)C(F)C(F)C(F)Cl	-6.10	72.73	4.20	P		OUT
QLO3164	N-Nitrosobis(2,2,3,3,4,4,4-heptafluorobutyl)amine	83329-16-2	FC(F)(F)C(F)C(F)C(F)CN(CC(F)(F)C(F)C(F)C(F)F)N=O	-8.97	48.28	5.79	P		IN
QLO3165	Isocyanic acid, 2,2,3,3,4,4,4-heptafluorobutyl ester	377-00-4	FC(F)(F)C(F)C(F)C(F)CN=C=O	-6.48	43.75	4.66	P		IN
QLO3166	N-(2,2,3,3,4,4-Heptafluorobutyl)prop-2-enamide	1422-65-7	FC(F)(F)C(F)C(F)C(F)CNC(=O)C=C	-6.78	31.82	4.92	P		IN
QLO3167	3-Benzamido-N-(2,2,3,3,4,4,4-heptafluorobutyl)benzamide	917920-92-4	FC(F)(F)C(F)C(F)C(F)CNC(=O)C1=CC(NC(=O)C2=CC=CC=C2)=CC=C1	-10.52	16.67	6.82	P		OUT
QLO3168	N-(2,2,3,3,4,4,4-Heptafluorobutyl)benzamide	304458-19-3	FC(F)(F)C(F)C(F)C(F)CNC(=O)c1ccccc1	-8.28	25.00	5.69	P		OUT
QLO3169	2,2,3,3,4,4,4-Heptafluoro-N-(2,2,3,3,4,4,4-heptafluorobutyl)bi	356-08-1	FC(F)(F)C(F)C(F)C(F)CNC(C(F)(F)C(F)C(F)C(F)F)	-8.66	50.00	5.62	P		IN
QLO3170	Tris[1H,1H-heptafluorobutyl]phosphate	563-09-7	FC(F)(F)C(F)C(F)C(F)CO([P](=O)(OC(F)(F)C(F)C(F)C(F)FOCC(F)(F)C(F)C(F)C(F)F)	-10.72	47.73	6.61	P		IN
QLO3171	Chlorotris(2,2,3,3,4,4,4-heptafluorobutoxy)silane	757-72-2	FC(F)(F)C(F)C(F)C(F)CO[Si](Cl)(OC(F)(F)C(F)C(F)C(F)FOCC(F)(F)C(F)C(F)C(F)F	-10.76	50.00	6.61	P		OUT
QLO3172	tris(perfluoropropyl)methyl borate	755-53-3	FC(F)(F)C(F)C(F)C(F)COB(OC(F)(F)C(F)C(F)FOCC(F)(F)C(F)C(F)C(F)F	-10.63	48.84	6.56	P		OUT
QLO3173	2,2,3,3,4,4,4-Heptafluorobutyl-2-cyanoprop-2-enoate	130192-28-8	FC(F)(F)C(F)C(F)C(F)COC(=O)C=C#N	-7.26	31.82	5.15	P		IN
QLO3174	2,2,3,3,4,4,4-Heptafluorobutyl-2-chloroprop-2-enoate	74359-14-1	FC(F)(F)C(F)C(F)C(F)COC(=O)C(Cl)=C	-7.16	38.10	5.04	P		IN
QLO3175	2,2,3,3,4,4,4-Heptafluorobutyl-2-chloroprop-2-enoate	308-45-2	FC(F)(F)C(F)C(F)C(F)COC(=O)C(F)C(F)C(F)C(F)F	-8.92	53.85	5.71	P		IN
QLO3176	1H,1H-Perfluorobutyl acrylate	424-64-6	FC(F)(F)C(F)C(F)C(F)COC(=O)C=C	-6.81	33.33	4.92	P		IN
QLO3177	Bis(1H,1H-perfluorobutyl)fumarate	24120-17-0	FC(F)(F)C(F)C(F)C(F)COC(=O)C=CC(=O)OC(F)(F)C(F)C(F)C(F)F	-9.54	38.89	6.14	P		IN
QLO3178	2,2,3,3,4,4,4-Heptafluorobutyl 1,2,3-benzothiadiazole-7-carbo	1384278-50-5	FC(F)(F)C(F)C(F)C(F)COC(=O)c1cccc2nncs12	-9.88	25.00	6.44	P		OUT
QLO3179	2,2,3,3,4,4,4-Heptafluorobutyl but-3-enoate	17165-56-9	FC(F)(F)C(F)C(F)C(F)COC(=O)C=CC=C	-6.97	29.17	5.04	P		OUT
QLO3180	1-Aziridinepropionic acid, 2,2,3,3,4,4,4-heptafluorobutyl ester	24160-20-1	FC(F)(F)C(F)C(F)C(F)COC(=O)CCN1CC1	-7.69	24.14	5.42	P		OUT
QLO3181	Bis(2,2,3,3,4,4,4-heptafluorobutyl) carbonate	1026739-75-2	FC(F)(F)C(F)C(F)C(F)COC(=O)OC(F)(F)C(F)C(F)C(F)F	-9.10	46.67	5.86	P		IN
QLO3182	2,2,3,3,4,4,4-Heptafluorobutyl carbonochloridate	108156-21-4	FC(F)(F)C(F)C(F)C(F)COC(Cl)=O	-6.83	47.06	4.80	P		IN
QLO3183	4-(Ethenyloxy)-1,1,2,2,3,3-heptafluorobutane	356-00-3	FC(F)(F)C(F)C(F)C(F)COC=C	-6.34	36.84	4.66	P		IN
QLO3184	1-Ethenyl-4-(2,2,3,3,4,4,4-heptafluorobutoxy)benzene	111144-99-1	FC(F)(F)C(F)C(F)C(F)COC1=CC=C(C=C)C=C1	-8.43	24.14	5.72	P		OUT
QLO3185	2-[(4-(Perfluorobutoxy)pyridin-2-yl)methanesulfinyl]-1H-thien	NOCAS_869668	FC(F)(F)C(F)C(F)C(F)COC1=C=C(NC(=O)C2=CC=CC=C3N2)=C1	-11.47	17.95	7.25	P		OUT
QLO3186	4-(2,2,3,3,4,4,4-Heptafluorobutoxy)benzaldehyde	943767-44-0	FC(F)(F)C(F)C(F)C(F)COC1cccc(C=O)cc1	-8.47	25.93	5.77	P		OUT
QLO3187	4-(2,2,3,3,4,4,4-Heptafluorobutoxy)benzonitrile	96308-32-6	FC(F)(F)C(F)C(F)C(F)COC1cccc(cc#N)CN	-8.49	26.92	5.77	P		OUT
QLO3188	1,1,1,2,2,3,3-Heptafluoro-4-(2,2,3,3,4,4,4-heptafluorobutoxy)	647-91-6	FC(F)(F)C(F)C(F)C(F)COC(C(F)(F)C(F)C(F)C(F)F)	-8.70	51.85	5.62	P		IN
QLO3189	Allyl 1H,1H-heptafluorobutyl ether	648-42-0	FC(F)(F)C(F)C(F)C(F)COC=C	-6.51	31.82	4.80	P		IN
QLO3190	NSC221106	59727-25-2	FC(F)(F)C(F)C(F)C(F)COC(C1=CNC(=O)N1)=O	-8.63	25.00	5.86	P		OUT
QLO3191	2-[(2,2,3,3,4,4,4-Heptafluorobutoxy)methyl]oxirane	648-43-1	FC(F)(F)C(F)C(F)C(F)COC(C1CO1)	-7.16	30.43	5.11	P		OUT
QLO3192	4-[(2,2,3,3,4,4,4-Heptafluorobutoxy)methyl]-1,3-dioxolan-2-o	181044-06-4	FC(F)(F)C(F)C(F)C(F)COC(C1COC(=O)O1)	-8.12	26.92	5.60	P		OUT
QLO3193	4-(2-Chloroethoxy)-1,1,1,2,2,3,3-heptafluorobutane	679-53-8	FC(F)(F)C(F)C(F)C(F)COC(Cl)	-6.64	38.10	4.80	P		IN
QLO3194	2,2,3,3,4,4,4-Heptafluorobutyl diphenylphosphinate	55776-72-2	FC(F)(F)C(F)C(F)C(F)COP(=O)(c1ccccc1)c1ccccc1	-9.68	18.42	6.41	P		OUT
QLO3195	Bis(2,2,3,3,4,4,4-heptafluorobutyl) phenylphosphonate	31430-72-5	FC(F)(F)C(F)C(F)C(F)COP(=O)(OC(F)(F)C(F)C(F)C(F)F)c1ccccc1	-10.23	34.15	6.51	P		OUT
QLO3196	bis(perfluoropropyl)methyl phosphorochloridoate	6780-81-0	FC(F)(F)C(F)C(F)C(F)COP(Cl)=OOC(F)(F)C(F)C(F)C(F)F	-9.30	48.39	5.94	P		IN
			FC(F)(F)C(F)C(F)C(F)COP1(OC(F)(F)C(F)C(F)C(F)F)=NP(OC(F)(F)C(F)C(F)C(F)FOCC(F)(F)C(F)C(F)C(F)F)OC(F)(F)C(F)C(F)C(F)F	-14.85	46.67	8.55	P		OUT
QLO3197	1,3,5,2,4,6-Triazatriphosphorine, 2,2,4,4,6,6-hexakis(2,2,3,3,4,	470-73-5	FC(F)(F)C(F)C(F)C(F)COP(=O)(OC(F)(F)C(F)C(F)C(F)F)=NP(OC(F)(F)C(F)C(F)C(F)FOCC(F)(F)C(F)C(F)C(F)F)OC(F)(F)C(F)C(F)C(F)F	-9.55	53.33	6.01	P		IN
QLO3198	1H,1H-Perfluorobutyl perfluorobutanesulfonate	883499-32-9	FC(F)(F)C(F)C(F)C(F)COS(=O)(=O)C(F)(F)C(F)C(F)C(F)F	-7.82	47.62	5.25	P		IN
QLO3199	1H,1H-Heptafluorobutyl triflate	6401-01-0	FC(F)(F)C(F)C(F)C(F)COS(=O)(=O)C(F)F	-9.55	25.00	5.60	P		OUT
QLO3200	[(2,2,3,3,4,4-Heptafluorobutyl)sulfanyl]methyl]benzene	200337-06-0	FC(F)(F)C(F)C(F)C(F)CSC1ccccc1	-8.09	72.73	4.20	P		OUT
QLO3201	Perflutren	76-19-7	FC(F)(F)C(F)C(F)C(F)F	-6.10	72.73	4.20	P		OUT
QLO3202	Heptafluoropropyl iodide	754-34-7	FC(F)(F)C(F)C(F)C(F)I	-6.10	72.73	4.20	P		OUT
			FC(F)(F)C						

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QLO3649	2,2,3,3,4,4,5,5,6,6-Decafluoro-6-[(1,1,1,2,3,3,3-heptafluoropr	29952-92-9	NC(=O)C(F)C(F)C(F)C(F)C(F)C(F)C(F)OC(C)(F)C(F)C(F)C(F)F	-9.73	54.84	6.08	P		IN
QL03640	Octafluoroadipamide	355-66-8	NC(=O)[C](F)(F)C(F)C(F)C(F)C(F)C(F)C(F)N=O	-7.36	36.36	5.15	P		IN
QL03641	Nonafluoropentanamide	13485-61-5	NC(=O)C(F)C(F)C(F)C(F)C(F)C(F)F	-7.16	50.00	4.92	P		IN
QL03642	Perfluoropentanamide	355-81-7	NC(=O)C(F)C(F)C(F)C(F)C(F)F	-6.78	44.44	4.80	P		IN
QL03643	Heptafluorobutyramide	662-50-0	NC(=O)C(F)C(F)C(F)C(F)F	-6.24	46.67	4.52	P		IN
QL03644	Pentafluoropropanamide	354-76-7	NC(=O)C(F)C(F)C(F)F	-5.07	41.67	4.03	P		IN
QL03645	Propanamide, 3-[1-(difluoro[1,[2,2-trifluoroethenyl]oxy)meth	69804-18-8	NC(=O)C(F)C(F)C(F)C(F)OC(F)C(F)C(F)C(F)C(F)C(F)OC(F)=C(F)F	-8.97	48.15	5.79	P		IN
QL03646	2,2,3,3-Tetrafluoropropanamide	2069-86-5	NC(=O)C(F)C(F)C(F)F	-4.48	33.33	3.83	P		OUT
QL03647	Perfluoro-2(1-propoxyl)perfluoropropanamide	13140-35-7	NC(=O)C(F)C(F)C(F)C(F)C(F)C(F)C(F)F	-8.08	50.00	5.35	P		IN
QL03648	2,3,3,3-Tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(heptafluoro	60308-67-0	NC(=O)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)F	-9.84	53.13	6.14	P		IN
QL03649	2,3,3,3-Tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-[1,1,2,3,3-he	51445-02-4	NC(=O)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)F	-11.08	54.76	6.71	P		OUT
QL03650	2,3,3,3-Tetrafluoro-2-(trifluoromethoxy)propanamide	67710-48-9	NC(=O)C(F)C(F)C(F)C(F)F	-6.48	43.75	4.66	P		IN
QL03651	Flupoxam	119126-15-7	NC(=O)c1nc(-c2ccccc2)n(n1)-c1ccc(c)c(COCC(F)C(F)C(F)F)c1	-11.79	13.33	7.45	P		OUT
QL03652	1,1,1,2,3,3,4,4,5,5,6,6,7,7,8,8-Heptadecafluorooctan-2-yl ca	92681-65-7	NC(=O)OC(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)F	-9.73	54.84	6.08	P		IN
QL03653	2,2,3,3,4,4,4-Hepatafluorobutanethioamide	375-20-2	NC(=S)C(F)C(F)C(F)C(F)F	-6.24	46.67	4.52	P		IN
QL03654	2-(Perfluoropropyl)glycine	26208-02-6	NC(C)(O)=O)C(F)C(F)C(F)C(F)F	-6.62	36.84	4.80	P		IN
QL03655	4,4,5,5,6,6,6-Hepatafluoronoreucine	15960-01-7	NC(CC(F)C(F)C(F)C(F)F)C(O)=O	-6.78	31.82	4.92	P		IN
QL03656	3-Amino-4,4,5,5,6,6,6-heptafluorohexanoic acid	150618-42-1	NC(CC(O)=O)C(F)C(F)C(F)C(F)F	-6.78	31.82	4.92	P		IN
QL03657	2-Amino-3-(perfluoropropyl)-1-phenyl-3-propanol	322392-46-1	N(C(C=C-C-C=C=C1)C(O)C(F)C(F)C(F)C(F)F	-8.38	21.21	5.77	P		OUT
QL03658	2-Amino-5,5,6,6,7,7,8,8,8-nonafluorooctanoic acid	125162-63-2	NC(CCC(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)O)=O	-7.71	32.14	5.35	P		IN
QL03659	2-Amino-5,5,6,6,7,7,7,8-heptafluoroheptanoic acid	10325-10-7	NC(CCC(F)C(F)C(F)C(F)C(F)C(F)C(F)O)=O	-6.95	28.00	5.04	P		OUT
QL03660	2-Amino-6,6,7,7,8,8,8-heptafluorooctanoic acid	10325-14-1	NC(CCCC(F)C(F)C(F)C(F)C(F)C(F)C(F)O)=O	-7.12	25.00	5.15	P		OUT
QL03661	Undecafluoropentan-1-amine	134380-80-6	NC(F)C(F)C(F)C(F)C(F)C(F)C(F)F	-7.57	57.89	5.04	P		IN
QL03662	6-Bromo-8-{1,1,2,3,3,3-heptafluoropropan-2-yl}quinolin-5-a	917923-88-7	NC1C(Br)C=C(C2=C1C=C-C=N2)C(F)C(F)C(F)C(F)C(F)F	-10.09	28.57	6.50	P		OUT
QL03663	3-(Tridecafluorohexyl)pyridin-4-amine	143094-26-2	NC1=C(C=N=C=C1)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)F	-9.69	41.94	6.19	P		IN
QL03664	2-Fluoro-4-(nonafluorobutyl)aniline	821791-47-3	NC1=C(F)C=C(C=C1)C(F)C(F)C(F)C(F)C(F)C(F)F	-8.91	38.46	5.86	P		IN
QL03665	Phenol, 2-amino-4-(heptafluoropropyl)-	61324-30-9	NC1=C(C)C=C(C=C1)C(F)C(F)C(F)C(F)C(F)F	-8.16	29.17	5.59	P		OUT
QL03666	5-(1,1,2,2,3,3,3-heptafluoropropyl)benzene-1,3-diamine	5141-88-8	NC1=CC=C(C(N)=C1)C(F)C(F)C(F)C(F)C(F)F	-8.13	28.00	5.59	P		OUT
QL03667	2,5-Dichloro-4-(1,1,2,3,3,3-hexafluoropropoxy)aniline	103015-84-5	NC1=CC(Cl)=C(Cl)OC(F)C(F)C(F)C(F)C(F)C=C1Cl	-8.51	33.33	5.72	P		IN
QL03668	4-(1,1,1,2,3,3,3-Hepatafluoropropan-2-yl)benzene-1,3-diamine	58524-63-3	NC1=CC(N)=C(C=C1)C(F)C(F)C(F)C(F)F	-8.13	28.00	5.59	P		OUT
QL03669	4-[Hepatecafluoroocetyl]oxy]benzene-1,3-diamine	96573-73-8	NC1=CC(N)=C(C)OC(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C=C1	-10.76	41.46	6.69	P		OUT
QL03670	4-perfluoroisopropylaniline	2396-17-0	NC1=CC=C(C=C1)C(F)C(F)C(F)C(F)F	-7.89	30.43	5.46	P		OUT
QL03671	4-(Perfluoroocetyl)aniline	83766-52-3	NC1=CC=C(C=C1)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)F	-10.53	44.74	6.55	P		OUT
QL03672	4-(Tridecafluorohexyl)aniline	139613-90-4	NC1=CC=C(C=C1)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)F	-9.67	40.63	6.19	P		IN
QL03673	Benzenamine, 4-(nonafluorobutyl)-	114262-65-6	NC1=CC=C(C=C1)C(F)C(F)C(F)C(F)C(F)C(F)F	-8.57	34.62	5.73	P		IN
QL03674	4-(3,3,4,4,5,5,6,6,6-Nonafluorohexyl)aniline	919289-98-8	NC1=CC=C(CCC(F)C(F)C(F)C(F)C(F)C(F)C(F)C=C1	-8.79	28.13	5.90	P		OUT
QL03675	4-(Nonafluorobutoxy)aniline	62315-18-8	NC1=CC=C(OC(F)C(F)C(F)C(F)C(F)C(F)C(F)C=C1	-8.73	33.33	5.82	P		OUT
QL03676	3-(Heptadecafluoroocetyl)aniline	119489-67-7	NC1=CC=C(C=C1)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)F	-10.53	44.74	6.55	P		OUT
QL03677	ST50977988	299937-37-4	NC1=NN=C(S1)C(F)C(F)C(F)C(F)C(F)F	-7.74	38.89	5.30	P		IN
QL03678	2-Bromo-6-(difluoromethoxy)-4-(1,1,1,2,3,3,3-heptafluoro	1262665-49-5	NC1c(Br)ccc(cc1OC(F)F)C(F)C(F)C(F)C(F)F	-9.27	37.04	6.04	P		IN
QL03679	2-Chloro-6-(difluoromethoxy)-4-(1,1,1,2,3,3,3-heptafluoro	1262665-50-8	NC1c(Cl)ccc(cc1OC(F)F)C(F)C(F)C(F)C(F)F	-9.27	37.04	6.04	P		IN
QL03680	4-(1,1,1,2,3,3,3-Hepatafluoropropan-2-yl)-2-iodo-6-(trifluorom	1207315-39-6	NC1c(I)ccc(cc1C(F)C(F)C(F)C(F)C(F)C(F)F	-9.38	42.31	6.04	P		IN
QL03681	N-[2-Amino-3-nitro-5-(trifluoromethyl)phenyl]-2,2,3,3,4,4,4-h	57450-70-1	NC1c(NC(=O)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)F	-10.00	31.25	6.43	P		OUT
QL03682	5-[1,1,1,4,5,5,5-Hepatafluoro-3-(1,1,1,2,3,3,3-heptafluoropr	138781-42-7	NC1ccc(Nccc(OC=C(C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)F)c1	-10.85	40.48	6.74	P		OUT
QL03683	4-Amino-2-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)benzonitrile	1463530-23-5	NC1ccc(C#N)c(c1C(F)C(F)C(F)C(F)C(F)F	-8.42	29.17	5.71	P		OUT
QL03684	4-Amino-2-(undecafluoropentyl)benzonitrile	1463530-19-9	NC1ccc(C#N)c(c1C(F)C(F)C(F)C(F)C(F)C(F)C(F)F	-9.58	36.67	6.19	P		IN
QL03685	4-[5-(Hepatafluoropropyl)-1H-1,2,4-triazol-3-yl]aniline	1692915-43-7	NC1ccc(cc1-c1nnNc(n1)C(F)C(F)C(F)C(F)F	-9.76	24.14	6.39	P		OUT
QL03686	Butanamide, N-(4-amino-2-hydroxyphenyl)-2,2,3,3,4,4,4-hept	847-51-8	NC1ccc(NC(=O)C(F)C						

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QL03931	Perfluoro-4-isopropoxybutanoic acid	801212-59-9	OC(=O)C(F)(F)C(F)(F)C(F)C(F)OC(F)(C)F(F)C(F)C(F)F	-8.75	54.17		5.62	P		IN
QL03932	4-(1,2-Dichloro-1,2,2-trifluoroethoxy)-2,2,3,3,4,4-hexafluorobutanoic acid	86556-81-2	OC(=O)C(F)(F)C(F)(F)C(F)C(F)C(F)OC(Cl)C(Cl)C(F)F	-8.13	52.38		5.35	P		IN
QL03933	Perfluoro(4-methoxybutanoic acid)	863090-89-5	OC(=O)C(F)(F)C(F)(F)C(F)C(F)OC(F)F	-7.43	50.00		5.04	P		IN
QL03934	Tetrafluorosuccinic acid	377-38-8	OC(=O)C(F)(F)C(F)(F)C(F)C(F)=O	-5.54	28.57		4.37	P		OUT
QL03936	Perfluoro[3,3'-(piperazine-1,4-diyl)dipropanoic acid]	948014-40-2	OC(=O)C(F)(F)C(F)F)N1CC(F)(F)C(F)(F)N(C(F)(F)C(F)C(F)F)C(F)C(F)C(F)F	-11.17	47.06		6.83	P		OUT
QL03937	Perfluoro-3-[1-(ethenylloxy)propan-2-yl]oxy]propanoic acid	69087-46-3	OC(=O)C(F)(F)C(F)C(F)OC(F)(C(F)(F)F)C(F)C(F)OC(F)=C(F)F	-9.01	50.00		5.79	P		IN
QL03938	Perfluoro-3-ethoxypropanoic acid	377-76-4	OC(=O)C(F)(F)C(F)C(F)OC(F)(C(F)F)F	-7.41	50.00		5.04	P		IN
QL03939	Perfluoro-3-methoxypropanoic acid	377-73-1	OC(=O)C(F)(F)C(F)C(F)OC(F)F	-6.54	46.67		4.66	P		IN
QL03940	Flupropanate	756-09-2	OC(=O)C(F)(F)C(F)F	-4.54	36.36		3.83	P		IN
QL03941	2,2-Difluoro-3-(nonafluorobutoxy)propanoic acid	824393-39-7	OC(=O)C(F)(F)COC(F)(F)C(F)(F)C(F)(F)C(F)F	-8.20	45.83		5.45	P		IN
QL03942	[(1-Chloro-1,1,2,2,3,3-hexafluoropropan-2-yl)oxy][difluoroacetic acid]	903523-21-7	OC(=O)C(F)(F)OC(F)(C(F)F)C(F)C(F)F	-7.41	50.00		5.04	P		IN
QL03943	Perfluoro-3,6-dioxadecanoic acid	137780-69-9	OC(=O)C(F)(F)OC(F)C(F)(F)OC(F)(F)C(F)(F)C(F)(F)C(F)F	-9.40	53.57		5.94	P		IN
QL03944	Perfluoro-3,6-dioxadecanoic acid	80153-82-8	OC(=O)C(F)(F)OC(F)C(F)(F)OC(F)(C(F)F)C(F)F	-8.28	50.00		5.45	P		IN
QL03945	Perfluoro-3,6,9-trioxadecanoic acid	330562-41-9	OC(=O)C(F)(F)OC(F)C(F)(F)OC(F)(C(F)F)C(F)C(F)C(F)C(F)F	-10.39	54.29		6.39	P		IN
QL03946	Perfluoro-3,6,9-trioxadecane-1,11-dioic acid	55621-18-6	OC(=O)C(F)(F)OC(F)C(F)(F)OC(F)(C(F)F)C(F)C(F)C(F)C(O)=O	-9.15	41.38		5.94	P		IN
QL03947	Perfluoro-3,6,9-trioxadecanoic acid	151772-59-7	OC(=O)C(F)(F)OC(F)C(F)(F)OC(F)(C(F)F)C(F)C(F)C(F)C(F)F	-9.01	50.00		5.79	P		IN
QL03948	Perfluoro-3,6-dioxaoctane-1,8-dioic acid	55621-21-1	OC(=O)C(F)(F)OC(F)C(F)(F)OC(F)(C(F)F)C(F)C(F)C(O)=O	-7.80	36.36		5.35	P		IN
QL03949	Perfluoro-3,6-dioxahепtanoic acid	151772-58-6	OC(=O)C(F)(F)OC(F)C(F)(F)OC(F)F	-7.59	47.37		5.15	P		IN
QL03950	3-Azido-2,3,3-trifluoro-2-(heptafluoropropoxy)propanoic acid	95906-13-1	OC(=O)C(F)OC(F)(F)C(F)(F)C(F)(F)C(F)C(F)N=[N+]=[N-]	-8.34	43.48		5.54	P		IN
QL03951	Perfluoro-2,5-dimethyl-3,6-dioxanonanonic acid	13252-14-7	OC(=O)C(F)OC(F)(F)C(F)C(F)OC(F)(C(F)F)C(F)C(F)C(F)C(F)F	-9.87	54.84		6.14	P		IN
QL03952	Perfluoro-(2,5,8-trimethyl-3,6,9-trioxadodecanoic)acid	65294-16-8	OC(=O)C(F)OC(F)(F)C(F)C(F)OC(F)(C(F)F)C(F)C(F)C(F)C(F)C(F)C(F)F	-11.11	56.10		6.71	P		OUT
QL03953	2,4,4,5,7,7,8,10,11,13,13,14,14,15,15-Heptadecafluoro-	65150-95-0	OC(=O)C(F)OC(F)(F)C(F)C(F)OC(F)(C(F)F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)F	-12.06	56.86		7.15	P		OUT
QL03954	Perfluoro(2,5,8,11,14-pentamethyl-3,6,9,12,15-pentaooxaocta-3-(perfluoroisopropyl)-(2E)-difluoropropenoic acid	52481-85-3	F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)F	-12.85	57.38		7.51	P		OUT
QL03955	3-(Perfluoroisopropyl)-(2E)-difluoropropenoic acid	103229-89-6	OC(=O)C(F)=C(F)C(F)C(F)C(F)C(F)F	-7.41	50.00		5.04	P		IN
QL03956	2,3,4,4,4-Pentafluoro-3-(trifluoromethyl)butanoic acid	917951-62-3	OC(=O)C(F)C(F)C(F)C(F)C(F)F	-6.83	47.06		4.80	P		IN
QL03957	(2Z)-4,4,5,5,6,6,6-Heptafluoro-3-phenylhex-2-enoic acid	154375-43-6	OC(=O)C=C(c1ccccc1)C(F)(F)C(F)C(F)F	-8.46	25.00		5.77	P		OUT
QL03959	(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) hydroxide	54950-04-8	OC(=O)C=C(C)C(=O)CCCC(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)F	-10.22	40.48		6.45	P		IN
QL03960	4-[[Heptadecafluoro(octyl)]oxy]-4-oxobut-2-enoic acid	152682-85-4	OC(=O)C=C(C)C(=O)OC(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)F	-10.11	47.22		6.33	P		IN
QL03961	(Perfluoro-octyl)ethyl hydrogen fumarate	86130-60-1	OC(=O)C=C(C)C(=O)CCCC(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)C(F)F	-10.22	40.48		6.45	P		IN
QL03962	4,4,5,5,6,6,6-Heptafluorohex-2-enoic acid	356-03-6	OC(=O)C=C(C)C(F)C(F)C(F)C(F)F	-6.66	38.89		4.80	P		IN
QL03964	5-[[Heptadecafluorononenyloxy]-1,3-benzenedicarboxylic acid	96210-37-6	OC(=O)C1=CC=CC(OC(F)=C(F)C(F							

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QL04400	N-methyl perfluoroalkanesulfonamido quaternary ammonium, n=6	S(N(C)CCC[N+](C)(C)C(=O)=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.42	26.53	6.21	P	OUT
QL04401	N-methyl perfluoroalkanesulfonamido quaternary ammonium, n=5	S(N(C)CCC[N+](C)(C)C(=O)=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.94	23.91	6.01	P	OUT
QL04402	N-methyl perfluoroalkanesulfonamido quaternary ammonium, n=4	S(N(C)CCC[N+](C)(C)C(=O)=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.40	20.93	5.79	P	OUT
QL04403	N-methyl perfluoroalkanesulfonamido quaternary ammonium, n=3	S(N(C)CCC[N+](C)(C)C(=O)=O)C(F)(F)C(F)(F)C(F)(F)F	-7.80	17.50	5.54	P	OUT
QL04404	N-methyl perfluoroalkanesulfonamido quaternary ammonium, n=2	S(N(C)CCC[N+](C)(C)C(=O)=O)C(F)(F)C(F)(F)F	-7.11	13.51	5.25	P	OUT
QL04405	perfluoroalkanesulfonamido sulfonate betaine D, n=6	S(N(C)CCC[N+](CCCS(=O)O)(O)C(C)C(=O)=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.07	22.03	6.56	P	OUT
QL04406	perfluoroalkanesulfonamido sulfonate betaine D, n=5	S(N(C)CCC[N+](CCCS(=O)O)(O)C(C)C(=O)=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.66	19.64	6.39	P	OUT
QL04407	perfluoroalkanesulfonamido sulfonate betaine D, n=4	S(N(C)CCC[N+](CCCS(=O)O)(O)C(C)C(=O)=O)C(F)(F)C(F)(F)C(F)(F)F	-9.22	16.98	6.21	P	OUT
QL04408	perfluoroalkanesulfonamido sulfonate betaine D, n=3	S(N(C)CCC[N+](CCCS(=O)O)(O)C(C)C(=O)=O)C(F)(F)C(F)(F)F	-8.73	14.00	6.01	P	OUT
QL04409	perfluoroalkanesulfonamido quaternary ammonium dicarboxylate A, n=6	S(N(CC(O)=O)CCC[N+](CC(O)=O)C(C)C(=O)=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.10	23.64	6.56	P	OUT
QL04410	perfluoroalkanesulfonamido quaternary ammonium dicarboxylate A, n=5	S(N(CC(O)=O)CCC[N+](CC(O)=O)C(C)C(=O)=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.70	21.15	6.39	P	OUT
QL04411	perfluoroalkanesulfonamido quaternary ammonium dicarboxylate A, n=4	S(N(CC(O)=O)CCC[N+](CC(O)=O)C(C)C(=O)=O)C(F)(F)C(F)(F)C(F)(F)F	-9.25	18.37	6.21	P	OUT
QL04412	perfluoroalkanesulfonamido quaternary ammonium dicarboxylate A, n=3	S(N(CC(O)=O)CCC[N+](CC(O)=O)C(C)C(=O)=O)C(F)(F)C(F)(F)F	-8.76	15.22	6.01	P	OUT
QL04413	perfluoroalkanesulfonamido quaternary ammonium sulfonate carboxylate B, n F)F	S(N(CC(O)=O)CCC[N+](CC(O)CS(=O)O)(O)C(C)C(=O)=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.47	20.63	6.76	P	OUT
QL04414	perfluoroalkanesulfonamido quaternary ammonium sulfonate carboxylate B, n	S(N(CC(O)=O)CCC[N+](CC(O)CS(=O)O)(O)C(C)C(=O)=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.10	18.33	6.61	P	OUT
QL04415	perfluoroalkanesulfonamido quaternary ammonium sulfonate carboxylate B, n	S(N(CC(O)=O)CCC[N+](CC(O)CS(=O)O)(O)C(C)C(=O)=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.71	15.79	6.45	P	OUT
QL04416	perfluoroalkanesulfonamido quaternary ammonium sulfonate carboxylate B, n	S(N(CC(O)=O)CCC[N+](CC(O)CS(=O)O)(O)C(C)C(=O)=O)C(F)(F)C(F)(F)C(F)(F)F	-9.27	12.96	6.27	P	OUT
QL04417	perfluoroalkanesulfonamido quaternary ammonium sulfonate carboxylate A, n	S(N(CC(O)=O)CCC[N+](CCCS(=O)O)(O)C(C)C(=O)=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.38	20.97	6.71	P	OUT
QL04418	perfluoroalkanesulfonamido quaternary ammonium sulfonate carboxylate A, n	S(N(CC(O)=O)CCC[N+](CCCS(=O)O)(O)C(C)C(=O)=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.00	18.64	6.56	P	OUT
QL04419	perfluoroalkanesulfonamido quaternary ammonium sulfonate carboxylate A, n	S(N(CC(O)=O)CCC[N+](CCCS(=O)O)(O)C(C)C(=O)=O)C(F)(F)C(F)(F)C(F)(F)F	-9.59	16.07	6.39	P	OUT
QL04420	perfluoroalkanesulfonamido quaternary ammonium sulfonate carboxylate A, n	S(N(CC(O)=O)CCC[N+](CCCS(=O)O)(O)C(C)C(=O)=O)C(F)(F)C(F)(F)F	-9.14	13.21	6.21	P	OUT
QL04421	perfluoroalkanesulfonamido quaternary ammonium disulfonate B, n=6	S(N(CC(O)CS(=O)O)(O)C(C)C(=O)=O)C(C)C(=O)=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.82	18.31	6.94	P	OUT
QL04422	perfluoroalkanesulfonamido quaternary ammonium disulfonate B, n=5	S(N(CC(O)CS(=O)O)(O)C(C)C(=O)=O)C(C)C(=O)=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.48	16.18	6.81	P	OUT
QL04423	perfluoroalkanesulfonamido quaternary ammonium disulfonate B, n=4	S(N(CC(O)CS(=O)O)(O)C(C)C(=O)=O)C(C)C(=O)=O)C(F)(F)C(F)(F)C(F)(F)F	-10.12	13.85	6.66	P	OUT
QL04424	perfluoroalkanesulfonamido quaternary ammonium disulfonate B, n=3	S(N(CC(O)CS(=O)O)(O)C(C)C(=O)=O)C(C)C(=O)=O)C(F)(F)C(F)(F)F	-9.73	11.29	6.50	P	OUT
QL04425	perfluoroalkanesulfonamido quaternary ammonium disulfonate B, n=2	S(N(CC(O)CS(=O)O)(O)C(C)C(=O)=O)C(C)C(=O)=O)C(F)(F)F	-9.31	8.47	6.33	P	OUT
QL04426	perfluoroalkanesulfonamido quaternary diol sulfonic acid, n=6	S(N(CC(O)CS(O)(=O)=O)CCC[N+](CCO)(C)C(=O)=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.36	20.31	6.71	P	OUT
QL04427	perfluoroalkanesulfonamido quaternary diol sulfonic acid, n=5	S(N(CC(O)CS(O)(=O)=O)CCC[N+](CCO)(C)C(=O)=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.99	18.03	6.56	P	OUT
QL04428	perfluoroalkanesulfonamido quaternary diol sulfonic acid, n=4	S(N(CC(O)CS(O)(=O)=O)CCC[N+](CCO)(C)C(=O)=O)C(F)(F)C(F)(F)C(F)(F)F	-9.58	15.52	6.39	P	OUT
QL04429	perfluoroalkanesulfonamido quaternary diol sulfonic acid, n=3	S(N(CC(O)CS(O)(=O)=O)CCC[N+](CCO)(C)C(=O)=O)C(F)(F)C(F)(F)F	-9.13	12.73	6.21	P	OUT
QL04430	N-ethyl perfluorodecane sulfonamido acetic acid, n=10	S(N(C)CC(C)C(=O)=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.94	42.86	6.76	P	OUT
QL04431	N-ethyl perfluorononane sulfonamido acetic acid, n=9	S(N(C)CC(C)C(=O)=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.58	41.30	6.61	P	OUT
QL04432	N-ethyl perfluoropropane sulfonamido acetic acid, n=3	S(N(C)CC(C)C(=O)=O)(=O)C(F)(F)C(F)(F)F	-7.56	25.00	5.35	P	OUT
QL04433	N-ethyl perfluoroethane sulfonamido acetic acid, n=2	S(N(C)CC(C)C(=O)=O)(=O)C(F)(F)F	-6.78	20.00	5.04	P	OUT
QL04434	perfluoroalkanesulfonamido betaine C, n =6	S(N(C)CCC[N+](CCC(O)=O)C(C)C(=O)=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.96	22.41	6.50	P	OUT
QL04435	perfluoroalkanesulfonamido betaine C, n =5	S(N(C)CCC[N+](CCC(O)=O)C(C)C(=O)=O)C(F)(F)C(F)(F)C(F)(F)F	-9.55	20.00	6.33	P	OUT
QL04436	perfluoroalkanesulfonamido quaternary ammonium carboxylic acid, n=6	S(N(CCC(=O)O)CCC[N+](C)C(C)C(=O)=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.87	23.64	6.45	P	OUT
QL04437	perfluoroalkanesulfonamido quaternary ammonium carboxylic acid, n=5	S(N(CCC(=O)O)CCC[N+](C)C(C)C(=O)=O)C(F)(F)C(F)(F)C(F)(F)F	-9.44	21.15	6.27	P	OUT
QL04438	perfluoroalkanesulfonamido quaternary ammonium carboxylic acid, n=4	S(N(CCC(=O)O)CCC[N+](C)C(C)C(=O)=O)C(F)(F)C(F)(F)F	-8.97	18.37	6.08	P	OUT
QL04439	perfluoroalkanesulfonamido quaternary ammonium carboxylic acid, n=3	S(N(CCC(=O)O)CCC[N+](C)C(C)C(=O)=O)C(F)(F)F	-8.45	15.22	5.86	P	OUT
QL04440	perfluoroalkanesulfonamido quaternary ammonium dicarboxylate B, n=6	S(N(CCC(O)=O)CCC[N+](CC(O)=O)C(C)C(=O)=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.19	22.41	6.61	P	OUT
QL04441	perfluoroalkanesulfonamido quaternary ammonium dicarboxylate B, n=5	S(N(CCC(O)=O)CCC[N+](CC(O)=O)C(C)C(=O)=O)C(F)(F)C(F)(F)C(F)(F)F	-9.79	20.00	6.45	P	OUT
QL04442	perfluoroalkanesulfonamido quaternary ammonium dicarboxylate B, n=4	S(N(CCC(O)=O)CCC[N+](CC(O)=O)C(C)C(=O)=O)C(F)(F)C(F)(F)F	-9.36	17.31	6.27	P	OUT
QL04443	perfluoroalkanesulfonamido quaternary ammonium dicarboxylate C, n=5	S(N(CCC(O)=O)CCC[N+](CCC(O)=O)C(C)C(=O)=O)C(F)(F)C(F)(F)F	-10.28	21.31	6.66	P	OUT
QL04444	perfluoroalkanesulfonamido quaternary ammonium dicarboxylate C, n=5	S(N(CCC(O)=O)CCC[N+](CCC(O)=O)C(C)C(=O)=O)C(F)(F)C(F)(F)F	-9.89	18.97	6.50	P	OUT
QL04445	perfluoroalkanesulfonamido quaternary ammonium dicarboxylate C, n=4	S(N(CCC(O)=O)CCC[N+](CCC(O)=O)C(C)C(=O)=O)C(F)(F)C(F)(F)F	-9.47	16.36	6.33	P	OUT
QL04446	perfluoroalkanesulfonamido quaternary ammonium dicarboxylate C, n=3	S(N(CCC(O)=O)CCC[N+](CCC(O)=O)C(C)C(=O)=O)C(F)(F)F	-9.01	13.46	6.14	P	OUT
QL04447	perfluorooctanesulfonamido amine carboxylic acid B, n=8	S(N(CCC(O)=O)CCCN(C)C(=O)=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.56	29.82	6.71	P	OUT
QL04448	perfluoroheptanesulfonamido amine carboxylic acid B, n=7	S(N(CCC(O)=O)CCCN(C)C(=O)=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.19	27.78	6.56	P	OUT
QL04449	perfluorohexanesulfonamido amine carboxylic acid B, n=6	S(N(CCC(O)=O)CCCN(C)C(=O)=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.79	25.49	6.39	P	OUT
QL04450	perfluoropentanesulfonamido amine carboxylic acid B, n=5	S(N(CCC(O)=O)CCCN(C)C(=O)=O)C(F)(F)C(F)(F)C(F)(F)F	-9.34	22.92	6.21	P	OUT
QL04451	perfluorobutanesulfonamido amine carboxylic acid B, n=4	S(N(CCC(O)=O)CCCN(C)C(=O)=O)C(F)(F)C(F)(F)F	-8.86	20.00	6.01	P	OUT
QL04452	perfluoropropanesulfonamido amine carboxylic acid B, n=3	S(N(CCC(O)=O)CCCN(C)C(=O)=O)C(F)(F)F	-8.31	16.67	5.79	P	OUT
QL04453	perfluorohexanesulfonamido amine sulfonic acid, n=6	S(N(CCCS(=O)O)(O)C(CO)CCN(C)C(=O)=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.18	22.03	6.61	P	OUT
QL04454	perfluoropentanesulfonamido amine sulfonic acid, n=5	S(N(CCCS(=O)O)(O)C(CO)CCN(C)C(=O)=O)C(F)(F)C(F)(F)C(F)(F)F	-9.79	19.64	6.45	P	OUT
QL04455	perfluoroalkanesulfonamido quaternary ammonium disulfonate A, n=8	S(N(CCCS(=O)O)(O)C(CO)CC[N+](CCCS(=O)O)(O)C(C)C(=O)=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-11.27	22.67	7.11	P	OUT
QL04456	perfluoroalkanesulfonamido quaternary ammonium disulfonate A, n=7	S(N(CCCS(=O)O)(O)C(CO)CC[N+](CCCS(=O)O)(O)C(C)C(=O)=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.96	20.83	6.99	P	OUT
QL04457	perfluoroalkanesulfonamido quaternary ammonium disulfonate A, n=6	S(N(CCCS(=O)O)(O)C(CO)CC[N+](CCCS(=O)O)(O)C(C)C(=O)=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.64	18.84	6.85	P	OUT
QL04458	perfluoroalkanesulfonamido quaternary ammonium disulfonate A, n=5	S(N(CCCS(=O)O)(O)C(CO)CC[N+](CCCS(=O)O)(O)C(C)C(=O)=O)C(F)(F)C(F)(F)C(F)(F)F	-10.29	16.67	6.71	P	OUT
QL04459	perfluoroalkanesulfonamido quaternary ammonium disulfonate A, n=4	S(N(CCCS(=O)O)(O)C(CO)CC[N+](CCCS(=O)O)(O)C(C)C(=O)=O)C(F)(F)C(F)(F)F	-9.91	14.29	6.56	P	OUT
QL04460	perfluoroalkanesulfonamido quaternary ammonium disulfonate A, n=3	S(N(CCCS(=O)O)(O)C(CO)CC[N+](CCCS(=O)O)(O)C(C)C(=O)=O)C(F)(F)C(F)(F)F	-9.50	11.67	6.39	P	OUT
QL04461	perfluoroalkanesulfonamido quaternary ammonium triol sulfonic acid, n=6	S(N(CCCS(O)=O)C(O)C(CO)CC[N+](CC(CO)O)C(C)C(=O)=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.62	18.31	6.85	P	OUT

QL04462	perfluoroalkanesulfonamid quaternary ammonium triol sulfonic acid, n=5	S(N(CCCS(O)(=O)=O)C(CO)CC[N+](CC(CO)O)(C)C(=O)(=O)C(F)F(C)F(C)F(C)F(C)F)F	-10.28	16.18	6.71	P	OUT
QL04463	perfluoroalkanesulfonamid quaternary ammonium triol sulfonic acid, n=4	S(N(CCCS(O)(=O)=O)C(CO)CC[N+](CC(CO)O)(C)C(=O)(=O)C(F)F(C)F(C)F(C)F)F	-9.90	13.85	6.56	P	OUT
QL04464	perfluoroalkanesulfonamid quaternary ammonium triol sulfonic acid, n=3	S(N(CCCS(O)(=O)=O)C(CO)CC[N+](CC(CO)O)(C)C(=O)(=O)C(F)F(C)F(C)F)F	-9.49	11.29	6.39	P	OUT
QL04465	perfluoroalkanesulfonamid quaternary ammonium triol sulfonic acid, n=2	S(N(CCCS(O)(=O)=O)C(CO)CC[N+](CC(CO)O)(C)C(=O)(=O)C(F)F(C)F)F	-9.04	8.47	6.21	P	OUT
QL04466	perfluoroalkanesulfonamid quaternary ammonium alcohol sulfonic acid, n=8	S(N(CCCS(O)(=O)=O)CCCC[N+](CCO)(C)C(=O)(=O)C(F)F(C)F(C)F(C)F(C)F(C)F(C)F)F	-10.95	24.64	6.94	P	OUT
QL04467	perfluoroalkanesulfonamid quaternary ammonium alcohol sulfonic acid, n=7	S(N(CCCS(O)(=O)=O)CCCC[N+](CCO)(C)C(=O)(=O)C(F)F(C)F(C)F(C)F(C)F(C)F)F	-10.62	22.73	6.81	P	OUT
QL04468	perfluoroalkanesulfonamid quaternary ammonium alcohol sulfonic acid, n=6	S(N(CCCS(O)(=O)=O)CCCC[N+](CCO)(C)C(=O)(=O)C(F)F(C)F(C)F(C)F(C)F)F	-10.26	20.63	6.66	P	OUT
QL04469	perfluoroalkanesulfonamid quaternary ammonium alcohol sulfonic acid, n=5	S(N(CCCS(O)(=O)=O)CCCC[N+](CCO)(C)C(=O)(=O)C(F)F(C)F(C)F(C)F)F	-9.88	18.33	6.50	P	OUT
QL04470	perfluoroalkanesulfonamid quaternary ammonium alcohol sulfonic acid, n=4	S(N(CCCS(O)(=O)=O)CCCC[N+](CCO)(C)C(=O)(=O)C(F)F(C)F(C)F)F	-9.46	15.79	6.33	P	OUT
QL04471	perfluoroalkanesulfonamid quaternary ammonium alcohol sulfonic acid, n=3	S(N(CCCS(O)(=O)=O)CCCC[N+](CCO)(C)C(=O)(=O)C(F)F(C)F)F	-9.00	12.96	6.14	P	OUT
QL04472	perfluoroalkanesulfonamid quaternary ammonium alcohol sulfonic acid, n=2	S(N(CCCS(O)(=O)=O)CCCC[N+](CCO)(C)C(=O)(=O)C(F)F)F	-8.49	9.80	5.94	P	OUT
QL04473	perfluoroalkanesulfonamid sulfonate betaine E, n=6	S(N(CCO)CCC[N+](CC(O)CS(=O)(O)=O)(O)C(=O)C(F)F(C)F(C)F(C)F(C)F)F	-10.36	20.31	6.71	P	OUT
QL04474	perfluoroalkanesulfonamid sulfonate betaine E, n=5	S(N(CCO)CCC[N+](CC(O)CS(=O)(O)=O)(O)C(=O)C(F)F(C)F(C)F(C)F)F	-9.99	18.03	6.56	P	OUT
QL04475	perfluoroalkanesulfonamid sulfonate betaine E, n=4	S(N(CCO)CCC[N+](CC(O)CS(=O)(O)=O)(O)C(=O)C(F)F(C)F(C)F)F	-9.58	15.52	6.39	P	OUT
QL04476	perfluoroalkanesulfonamid sulfonate betaine E, n=3	S(N(CCO)CCC[N+](CC(O)CS(=O)(O)=O)(O)C(=O)C(F)F(C)F)F	-9.13	12.73	6.21	P	OUT
QL04477	perfluoroalkanesulfonamid quaternary ammonium diol B, n=8	S(N(CCO)CCC[N+](CCO)(C)C(=O)(=O)C(F)F(C)F(C)F(C)F(C)F(C)F(C)F)F	-10.60	26.98	6.76	P	OUT
QL04478	perfluoroalkanesulfonamid quaternary ammonium diol B, n=7	S(N(CCO)CCC[N+](CCO)(C)C(=O)(=O)C(F)F(C)F(C)F(C)F(C)F(C)F)F	-10.24	25.00	6.61	P	OUT
QL04479	perfluoroalkanesulfonamid quaternary ammonium diol B, n=6	S(N(CCO)CCC[N+](CCO)(C)C(=O)(=O)C(F)F(C)F(C)F(C)F(C)F)F	-9.85	22.81	6.45	P	OUT
QL04480	perfluoroalkanesulfonamid quaternary ammonium diol B, n=5	S(N(CCO)CCC[N+](CCO)(C)C(=O)(=O)C(F)F(C)F(C)F(C)F)F	-9.42	20.37	6.27	P	OUT
QL04481	perfluoroalkanesulfonamid quaternary ammonium diol B, n=4	S(N(CCO)CCC[N+](CCO)(C)C(=O)(=O)C(F)F(C)F(C)F)F	-8.95	17.65	6.08	P	OUT
QL04482	perfluoroalkanesulfonamid quaternary ammonium diol B, n=3	S(N(CCO)CCC[N+](CCO)(C)C(=O)(=O)C(F)F(C)F)F	-8.43	14.58	5.86	P	OUT
QL04483	perfluoroalkanesulfonamid quaternary ammonium diol B, n=2	S(N(CCO)CCC[N+](CCO)(C)C(=O)(=O)C(F)F)F	-7.85	11.11	5.62	P	OUT
QL04484	perfluorohexanesulfonamid amine carboxylic acid A, n=6	S(N(C(CO)=O)CCN(C)C(=O)(=O)C(F)F(C)F(C)F(C)F(C)F)F	-9.60	28.89	6.27	P	OUT
QL04485	perfluoropentanesulfonamid amine carboxylic acid A, n=5	S(N(C(CO)=O)CCN(C)C(=O)(=O)C(F)F(C)F(C)F(C)F)F	-9.13	26.19	6.08	P	OUT
QL04486	perfluorobutanesulfonamid amine carboxylic acid A, n=4	S(N(C(CO)=O)CCN(C)C(=O)(=O)C(F)F(C)F(C)F)F	-8.61	23.08	5.86	P	OUT
QL04487	perfluoroalkanesulfonamid quaternary ammonium triol, n=6	S(N(C(CO)CC[N+](CC(O)CO)(C)C(=O)(=O)C(F)F(C)F(C)F(C)F(C)F)F	-9.96	22.41	6.50	P	OUT
QL04488	perfluoroalkanesulfonamid quaternary ammonium triol, n=5	S(N(C(CO)CC[N+](CC(O)CO)(C)C(=O)(=O)C(F)F(C)F(C)F(C)F)F	-9.55	20.00	6.33	P	OUT
QL04489	perfluoroalkanesulfonamid quaternary ammonium triol, n=4	S(N(C(CO)CC[N+](CC(O)CO)(C)C(=O)(=O)C(F)F(C)F(C)F)F	-9.09	17.31	6.14	P	OUT
QL04490	perfluoroalkanesulfonamid quaternary ammonium triol, n=3	S(N(C(CO)CC[N+](CC(O)CO)(C)C(=O)(=O)C(F)F(C)F)F	-8.59	14.29	5.94	P	OUT
QL04491	perfluoroalkanesulfonamid quaternary ammonium diol A, n=6	S(N(C(CO)CC[N+](CC(O)CO)(C)C(=O)(=O)C(F)F(C)F(C)F(C)F)F	-9.66	25.49	6.33	P	OUT
QL04492	perfluoroalkanesulfonamid quaternary ammonium diol A, n=5	S(N(C(CO)CC[N+](CC(O)CO)(C)C(=O)(=O)C(F)F(C)F(C)F)F	-9.21	22.92	6.14	P	OUT
QL04493	perfluoroalkanesulfonamid quaternary ammonium diol A, n=4	S(N(C(CO)CC[N+](CC(O)CO)(C)C(=O)(=O)C(F)F(C)F)F	-8.70	20.00	5.94	P	OUT
QL04494	perfluoroalkanesulfonamid quaternary ammonium oxide, n=9	S(N(CCC[N+](O-))(O-))(O-)=O)C(F)F(C)F(C)F(C)F(C)F(C)F(C)F)F	-10.59	36.54	6.66	P	OUT
QL04495	perfluoroalkanesulfonamid quaternary ammonium oxide, n=7	S(N(CCC[N+](O-))(O-))(O-)=O)C(F)F(C)F(C)F(C)F(C)F(C)F)F	-9.81	32.61	6.33	P	OUT
QL04496	perfluoroalkanesulfonamid quaternary ammonium oxide, n= 30295-56-8	S(N(CCC[N+](O-))(O-))(O-)=O)C(F)F(C)F(C)F(C)F(C)F)F	-9.36	30.23	6.14	P	OUT
QL04497	perfluoroalkanesulfonamid quaternary ammonium oxide, n=5	S(N(CCC[N+](O-))(O-))(O-)=O)C(F)F(C)F(C)F(C)F)F	-8.86	27.50	5.94	P	OUT
QL04498	perfluoroalkanesulfonamid quaternary ammonium oxide, n=4	S(N(CCC[N+](O-))(O-))(O-)=O)C(F)F(C)F(C)F)F	-8.30	24.32	5.71	P	OUT
QL04499	perfluoroalkanesulfonamid quaternary ammonium, n=3	S(N(CCC[N+](O-))(O-))(O-)=O)C(F)F(C)F)F	-7.63	18.92	5.45	P	OUT
QL04500	perfluoroalkanesulfonamid betaine A, n= 6	S(N(CCC[N+](O-))(O-))(O-)=O)C(F)F(C)F(C)F(C)F(C)F)F	-9.68	26.53	6.33	P	OUT
QL04501	perfluoroalkanesulfonamid betaine A, n= 5	S(N(CCC[N+](O-))(O-))(O-)=O)C(F)F(C)F(C)F(C)F)F	-9.23	23.91	6.14	P	OUT
QL04502	perfluoroalkanesulfonamid betaine A, n= 4	S(N(CCC[N+](O-))(O-))(O-)=O)C(F)F(C)F(C)F)F	-8.72	20.93	5.94	P	OUT
QL04503	perfluoroalkanesulfonamid betaine A, n= 3	S(N(CCC[N+](O-))(O-))(O-)=O)C(F)F(C)F)F	-8.16	17.50	5.71	P	OUT
QL04504	perfluoroalkanesulfonamid sulfonate betaine B, n=9	S(N(CCC[N+](O-))(O-))(O-)=O)C(F)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F)F	-11.13	28.79	6.99	P	OUT
QL04505	perfluoroalkanesulfonamid sulfonate betaine B, n=8	S(N(CCC[N+](O-))(O-))(O-)=O)C(F)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F)F	-10.81	26.98	6.85	P	OUT
QL04506	perfluoroalkanesulfonamid sulfonate betaine B, n=7	S(N(CCC[N+](O-))(O-))(O-)=O)C(F)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F)F	-10.46	25.00	6.71	P	OUT
QL04507	perfluoroalkanesulfonamid sulfonate betaine B, n=6	S(N(CCC[N+](O-))(O-))(O-)=O)C(F)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F)F	-10.09	22.81	6.56	P	OUT
QL04508	perfluoroalkanesulfonamid sulfonate betaine B, n=5	S(N(CCC[N+](O-))(O-))(O-)=O)C(F)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F)F	-9.68	20.37	6.39	P	OUT
QL04509	perfluoroalkanesulfonamid sulfonate betaine B, n=4	S(N(CCC[N+](O-))(O-))(O-)=O)C(F)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F)F	-9.23	17.65	6.21	P	OUT
QL04510	perfluoroalkanesulfonamid sulfonate betaine B, n=3	S(N(CCC[N+](O-))(O-))(O-)=O)C(F)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F)F	-8.74	14.58	6.01	P	OUT
QL04511	perfluoroalkanesulfonamid betaine B, n=6	S(N(CCC[N+](O-))(O-))(O-)=O)C(F)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F)F	-9.78	25.00	6.39	P	OUT
QL04512	perfluoroalkanesulfonamid betaine B, n=5	S(N(CCC[N+](O-))(O-))(O-)=O)C(F)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F)F	-9.33	22.45	6.21	P	OUT
QL04513	perfluoroalkanesulfonamid betaine B, n=4	S(N(CCC[N+](O-))(O-))(O-)=O)C(F)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F)F	-8.85	19.57	6.01	P	OUT
QL04514	perfluoroalkanesulfonamid betaine B, n=3	S(N(CCC[N+](O-))(O-))(O-)=O)C(F)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F)F	-8.31	16.28	5.79	P	OUT
QL04515	perfluoroalkanesulfonamid quaternary ammonium diol C, n=6	S(N(CCC[N+](O-))(O-))(O-)=O)C(F)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F)F	-9.85	22.81	6.45	P	OUT
QL04516	perfluoroalkanesulfonamid quaternary ammonium diol C, n=5	S(N(CCC[N+](O-))(O-))(O-)=O)C(F)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F)F	-9.42	20.37	6.27	P	OUT
QL04517	perfluoroalkanesulfonamid quaternary ammonium diol C, n=4	S(N(CCC[N+](O-))(O-))(O-)=O)C(F)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F)F	-8.95	17.65	6.08	P	OUT
QL04518	perfluoroalkanesulfonamid sulfonate betaine A, n=8	S(N(CCC[N+](O-))(O-))(O-)=O)C(F)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F)F	-10.72	27.42	6.81	P	OUT
QL04519	perfluoroalkanesulfonamid sulfonate betaine A, n=7	S(N(CCC[N+](O-))(O-))(O-)=O)C(F)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F)F	-10.36	25.42	6.66	P	OUT
QL04520	perfluoroalkanesulfonamid sulfonate betaine A, n=6	S(N(CCC[N+](O-))(O-))(O-)=O)C(F)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F)F	-9.98	23.21	6.50	P	OUT
QL04521	perfluoroalkanesulfonamid sulfonate betaine A, n=5	S(N(CCC[N+](O-))(O-))(O-)=O)C(F)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F)F	-9.56	20.75	6.33	P	OUT
QL04522	perfluoroalkanesulfonamid sulfonate betaine A, n=4	S(N(CCC[N+](O-))(O-))(O-)=O)C(F)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F)F	-9.10	18.00	6.14	P	OUT
QL04523	perfluoroalkanesulfonamid sulfonate betaine A, n=3	S(N(CCC[N+](O-))(O-))(O-)=O)C(F)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F)F	-8.60	14.89	5.94	P	OUT
QL04524	perfluoroalkanesulfonamid sulfonate betaine C, n=6	S(N(CCC[N+](O-))(O-))(O-)=O)C(F)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F)F	-10.17	21.67	6.61	P	OUT
QL04525	perfluoroalkanesulfonamid sulfonate betaine C, n=5	S(N(CCC[N+](O-))(O-))(O-)=O)C(F)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F)F	-9.78	19.30	6.45	P	OUT
QL04526	perfluoroalkanesulfonamid sulfonate betaine C, n=4	S(N(CCC[N+](O-))(O-))(O-)=O)C(F)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F)F	-9.35	16.67	6.27	P	OUT
QL04527	perfluoroalkanesulfonamid quaternary ammonium alcohol, n=8	S(N(CCC[N+](O-))(O-))(O-)=O)C(F)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F)F	-10.35	30.36	6.61	P	OUT

QL04528	perfluoroalkanesulfonamido quaternary ammonium alcohol, n=7	S(NCCC[N+](CCO)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.97	28.30	6.45	P	OUT
QL04529	perfluoroalkanesulfonamido quaternary ammonium alcohol, n=6	S(NCCC[N+](CCO)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.54	26.00	6.27	P	OUT
QL04530	perfluoroalkanesulfonamido quaternary ammonium alcohol, n=5	S(NCCC[N+](CCO)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.07	23.40	6.08	P	OUT
QL04531	perfluoroalkanesulfonamido quaternary ammonium alcohol, n=4	S(NCCC[N+](CCO)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.56	20.45	5.86	P	OUT
QL04532	perfluoroalkanesulfonamido quaternary ammonium alcohol, n=3	S(NCCC[N+](CCO)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.97	17.07	5.62	P	OUT
QL04533	perfluoroalkanesulfonamido quaternary ammonium alcohol, n=2	S(NCCC[N+](CCO)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)F	-7.31	13.16	5.35	P	OUT
QL04534	perfluoropropanesulfonamido amine, n =3	S(NCCC[N+](CCO)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)F	-7.48	21.21	5.35	P	OUT
QL04535	perfluoropropanesulfonamido sulfonic acid, n=6	S(NCCCN(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.44	34.21	6.14	P	OUT
QL04536	perfluoropropanesulfonamido sulfonic acid, n=5	S(NCCCS(=O)(O)=O)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.94	31.43	5.94	P	OUT
QL04537	perfluoropropanesulfonamido sulfonic acid, n=4	S(NCCCS(=O)(O)=O)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.38	28.13	5.71	P	OUT
QL04538	perfluoropropanesulfonamido sulfonic acid, n=3	S(NCCCS(=O)(O)=O)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.74	24.14	5.45	P	OUT