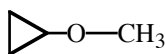
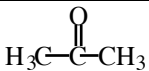

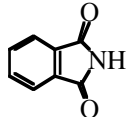

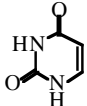
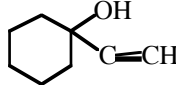

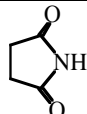
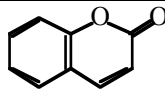
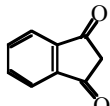
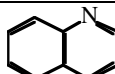
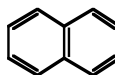
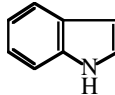


Lipophilicity: Log P Calculations

Log P Values From Leo, A.; Hansch, C.; Elkins, D. *Chem Rev.* 1971, 71, 525.

Table courtesy of Prof. Richard B. Silverman

Compound	log P _{oct}	Compound	log P _{oct}	Compound	log P _{oct}
CH ₃ OH	-0.66	CH ₂ =CHCOOH	0.43		1.20
CH ₃ NH ₂	-0.57	CH ₃ CH ₂ CN	0.16	CH ₂ =CH-OCH ₂ CH ₃	1.04
CCl ₃ COOH	1.49		-0.24	CH ₃ CH ₂ CH ₂ COOH	0.79
BrCH ₂ COOH	0.41	CH ₂ =CHCH ₂ OH	0.17	CH ₃ CH ₂ CH ₂ CH ₂ OH	0.83
ClCH ₂ COOH	0.47	CH ₃ CH ₂ CHO	0.38	CH ₃ CH ₂ OCH ₂ CH ₃	0.77
FCH ₂ COOH	-0.12	CH ₃ CO ₂ Me	0.18	CH ₃ CH ₂ OCH ₂ CH ₂ OH	-0.54
ICH ₂ COOH	0.87	CH ₃ CH ₂ COOH	0.33	CH ₃ CH ₂ NHCH ₂ CH ₃	0.57
CH ₃ CN	-0.34	CH ₃ OCH ₂ COOH	-0.55		0.85
CH ₃ CHO	0.43	CH ₃ CH ₂ CH ₂ Br	2.10	CH ₃ CH ₂ CH ₂ CH ₂ CH ₂ F	2.33
CH ₃ COOH	-0.17	CH ₃ CH ₂ CH ₂ NO ₂	0.65	PhCH ₂ OH	1.10
HOCH ₂ COOH	-1.11	CH ₃ OCH ₂ OCH ₃	0.00	PhCH ₂ NH	1.09
CH ₃ CH ₂ Br	1.74	CH ₃ OCH ₂ CH ₂ OH	-0.60		1.15
CH ₃ CH ₂ Cl	1.54	Me ₃ N	0.27	PhCH ₂ COOH	1.41
CH ₃ CH ₂ I	2.00	CH ₃ I	1.69	PhOCH ₂ COOH	1.26
CH ₃ CONH ₂	-1.46	CH ₃ NO ₂	-0.33		2.13
CH ₃ CH ₂ NO ₂	0.18		-1.07		1.73
CH ₃ CH ₂ OH	-0.32	HOOCCH=CHCOOH	0.28		0.81
Me ₂ NH	-0.23		-1.21		1.39
CH ₃ CH ₂ NH ₂	-0.19	CH ₂ =CH-O-CH=CH ₂	1.81		0.61
HOCH ₂ CH ₂ NH ₂	-1.31	CH ₃ CH=CHCOOH	0.72		2.03
HC≡CCO ₂ H	0.46	HOOCCH ₂ CH ₂ COOH	-0.59		3.37
CH ₂ =CHCN	-0.92	CH ₂ =CHCH ₂ OCH ₃	0.94		2.00
-CH ₂ - (π _x)	0.50	-CH ₃ (π _x)	0.50		
Branching	-0.20	-H ₂ C=CH-CH=CH ₂ - (π _x)	2/3(2.13) =1.36	H ₂ C=CH- (π _x)	1/3(2.13) =0.71

Lipophilicity: Log P Calculations

		"two thirds of benzene"		"one third of benzene"	
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