

4-Piperidinol, 1[(1-phenyl)-1-cyclohexyl]-

Other names:	Phencyclidine-4-hydroxy analog 1-(1-phenylcyclohexyl)-4-hydroxypiperidine Piperidine, 1-(1-phenylcyclohexyl)-4-hydroxy
Inchi:	InChI=1S/C17H25NO/c19-16-9-13-18(14-10-16)17(11-5-2-6-12-17)15-7-3-1-4-8-15/h1,3
InchiKey:	SLUMSLWGPLFKGY-UHFFFAOYSA-N
Formula:	C17H25NO
SMILES:	OC1CCN(C2(c3ccccc3)CCCCC2)CC1
Mol. weight [g/mol]:	259.39
CAS:	60232-85-1

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.95		Crippen Method
logp	3.303		Crippen Method
mcvol	220.760	ml/mol	McGowan Method
rinpol	2550.00		NIST Webbook
rinpol	2550.00		NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C60232851&Units=SI

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices

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