

N-(1-Cyclohexen-1-yl)piperidine

Other names:	Piperidine, 1-(1-cyclohexen-1-yl)- N-(1-Cyclohexenyl)piperidine 1-(1-Cyclohexen-1-yl)piperidine 1-(1-Cyclohexenyl)piperidine 1-Cyclohexen-1-ylpiperidine 1-Piperidino-1-cyclohexene 1-Piperidinocyclohexene 1-Piperidinylcyclohexene 1-(Cyclohex-1-enyl)piperidine
Inchi:	InChI=1S/C11H19N/c1-3-7-11(8-4-1)12-9-5-2-6-10-12/h7H,1-6,8-10H2
InchiKey:	KPVMGWQGPJULFL-UHFFFAOYSA-N
Formula:	C11H19N
SMILES:	<chem>C1=C(N2CCCCC2)CCCC1</chem>
Mol. weight [g/mol]:	165.28
CAS:	2981-10-4

Physical Properties

Property code	Value	Unit	Source
chl	-6944.20 ± 5.60	kJ/mol	NIST Webbook
hfl	-99.83	kJ/mol	NIST Webbook
ie	7.44 ± 0.03	eV	NIST Webbook
ie	7.54	eV	NIST Webbook
ie	7.50 ± 0.05	eV	NIST Webbook
log10ws	-3.14		Crippen Method
logp	2.930		Crippen Method
mcvol	149.810	ml/mol	McGowan Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C2981104&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

chl:	Standard liquid enthalpy of combustion
hfl:	Liquid phase enthalpy of formation at standard conditions
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

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