

4-Hydroxy-N-methylpiperidine

Other names:	1-Methyl-4-hydroxypiperidine 4-Hydroxy-1-methylpiperidine 1-Methylpiperidinol-(4) 1-Methyl-4-piperidinol 4-Piperidinol, 1-methyl- N-Methyl-4-hydroxypiperidine N-Methyl-4-piperidinol N-Methylpiperidol NSC 60705 1-methylpiperidin-4-ol
Inchi:	InChI=1S/C6H13NO/c1-7-4-2-6(8)3-5-7/h6,8H,2-5H2,1H3
InchiKey:	BAUWRHPMUVYFOD-UHFFFAOYSA-N
Formula:	C6H13NO
SMILES:	CN1CCC(O)CC1
Mol. weight [g/mol]:	115.17
CAS:	106-52-5

Physical Properties

Property code	Value	Unit	Source
hvap	80.80 ± 0.40	kJ/mol	NIST Webbook
log10ws	-0.17		Crippen Method
logp	0.073		Crippen Method
mcvol	100.390	ml/mol	McGowan Method
rmpol	988.00		NIST Webbook
tb	473.20	K	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=C106525&Units=SI

Legend

h_{vap}:	Enthalpy of vaporization at standard conditions
log₁₀w_s:	Log ₁₀ of Water solubility in mol/l
log_p:	Octanol/Water partition coefficient
m_{cvol}:	McGowan's characteristic volume
rin_{pol}:	Non-polar retention indices
tb:	Normal Boiling Point Temperature

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