

Piperidine, 1,1'-methylenebis-

Other names:	Piperidine, 1,1'-methylenedi- Bis(piperidino)methane Dipiperidinomethane Methylenebispiperidine Methylenedipiperidine 1,1'-Methylenedipiperidine
Inchi:	InChI=1S/C11H22N2/c1-3-7-12(8-4-1)11-13-9-5-2-6-10-13/h1-11H2
InchiKey:	LRKYLKBLUJXTFL-UHFFFAOYSA-N
Formula:	C11H22N2
SMILES:	C1CCN(CN2CCCCC2)CC1
Mol. weight [g/mol]:	182.31
CAS:	880-09-1

Physical Properties

Property code	Value	Unit	Source
hvap	62.20 ± 0.90	kJ/mol	NIST Webbook
log10ws	-1.85		Crippen Method
logp	1.916		Crippen Method
mvol	164.090	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	61.90 ± 0.90	kJ/mol	302.50	NIST Webbook

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	395.70	K	2.00	NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307I
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=C880091&Units=SI

Legend

h_{vap}:	Enthalpy of vaporization at standard conditions
h_{vapt}:	Enthalpy of vaporization at a given temperature
log₁₀ws:	Log ₁₀ of Water solubility in mol/l
log_p:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
t_{brp}:	Boiling point at reduced pressure

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