

4-[2-(Dimethylamino)ethyl]morpholine

Other names:	4-Morpholineethanamine, N,N-dimethyl- N,N-Dimethyl-4-morpholineethanamine
Inchi:	InChI=1S/C8H18N2O/c1-9(2)3-4-10-5-7-11-8-6-10/h3-8H2,1-2H3
InchiKey:	PMHXGHYANBXRZ-UHFFFAOYSA-N
Formula:	C8H18N2O
SMILES:	CN(C)CCN1CCOCC1
Mol. weight [g/mol]:	158.24
CAS:	4385-05-1

Physical Properties

Property code	Value	Unit	Source
log10ws	0.71		Crippen Method
logp	-0.120		Crippen Method
mcpvol	138.550	ml/mol	McGowan Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	366.70	K	2.70	NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
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=C4385051&Units=SI

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tbrp:	Boiling point at reduced pressure

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