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: PMHXGHYANBXRSZ-UHFFFAOYSA-N
Formula: C8H18N2O
SMILES: CN(C)CCN1CCOCC1
Mol. weight [g/mol]: 158.25

Physical Properties

Property code	Value	Unit	Source
hvap	55.43	kJ/mol	Cheméo Relay (1.0)
ie	8.23	eV	Cheméo Relay (1.0)
log10ws	0.87		Cheméo Relay (1.0)
logp	-0.120		Crippen Method
mcvol	138.550	ml/mol	McGowan Method
tb	482.25	K	Cheméo Relay (1.0)
tf	233.60	K	Cheméo Relay (1.0)

Pressure Dependent Properties

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

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C4385051&Units=SI
McGowan Method: http://link.springer.com/article/10.1007/BF02311772
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):
Cheméo Relay (1.0, beta):

Legend

hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tb:	Normal Boiling Point Temperature
tbrp:	Boiling point at reduced pressure
tf:	Normal melting (fusion) point