

N-(1-Cyclopenten-1-yl)-morpholine

Other names:	1-(N-Morpholino)cyclopentene N-(1-Cyclopentene-1-yl)morpholine 1-Morpholinocyclopentene 1-Morpholino-1-cyclopentene Morpholine, 4-(1-cyclopenten-1-yl)- Cyclopentanone morpholine enamine 4-(1-Cyclopenten-1-yl)morpholine 4-(1-Cyclopentenyl)morpholine Morpholinocyclopentene N-(cyclopent-1-en-1-yl)morpholine
Inchi:	InChI=1S/C9H15NO/c1-2-4-9(3-1)10-5-7-11-8-6-10/h3H,1-2,4-8H2
InchiKey:	VAPOFMGACKUWCI-UHFFFAOYSA-N
Formula:	C9H15NO
SMILES:	C1=C(N2CCOCC2)CCC1
Mol. weight [g/mol]:	153.22
CAS:	936-52-7

Physical Properties

Property code	Value	Unit	Source
ie	7.60 ± 0.05	eV	NIST Webbook
log10ws	-1.39		Crippen Method
logp	1.386		Crippen Method
mcvol	127.500	ml/mol	McGowan Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	378.70	K	1.60	NIST Webbook

Sources

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=C936527&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

Legend

ie: Ionization energy
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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