

Morpholine, 4-(1-cyclohexen-1-yl)-

Other names:	Cyclohexanone morpholine enamine N-Morpholino-1-cyclohexene 1(1-Cyclohexenyl)morpholine 1-(N-Morpholino)cyclohexene 1-Morpholin-1-ylcyclohexene 1-Morpholino-1-cyclohexene 1-Morpholinocyclohexene 4-(1-Cyclohexen-1-yl)morpholine 4-(1-Cyclohexenyl)morpholine NSC 42450 1-(4-Morpholino)cyclohexene N-(cyclohex-1-en-1-yl)morpholine
Inchi:	InChI=1S/C10H17NO/c1-2-4-10(5-3-1)11-6-8-12-9-7-11/h4H,1-3,5-9H2
InchiKey:	IIQFBBQJYPGOHJ-UHFFFAOYSA-N
Formula:	C10H17NO
SMILES:	C1=C(N2CCOCC2)CCCC1
Mol. weight [g/mol]:	167.25
CAS:	670-80-4

Physical Properties

Property code	Value	Unit	Source
ie	7.67 ± 0.05	eV	NIST Webbook
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log10ws	-1.80		Crippen Method
logp	1.777		Crippen Method
mcvol	141.590	ml/mol	McGowan Method
rinpol	1260.00		NIST Webbook

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	392.20	K	1.30	NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307I
Crippen Method:	https://www.cheméo.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=C670804&Units=SI

Legend

ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices
tbrp:	Boiling point at reduced pressure

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