

N-Acryloylmorpholine

Other names:	N-Acrylylmorpholine N-Acrolylmorpholine 2-Propen-1-one, 1-(4-morpholinyl)- 4-acryloylmorpholine
Inchi:	InChI=1S/C7H11NO2/c1-2-7(9)8-3-5-10-6-4-8/h2H,1,3-6H2
InchiKey:	XLPJNCY CZORXHG-UHFFFAOYSA-N
Formula:	C7H11NO2
SMILES:	<chem>C=CC(=O)N1CCOCC1</chem>
Mol. weight [g/mol]:	141.17
CAS:	5117-12-4

Physical Properties

Property code	Value	Unit	Source
log10ws	0.07		Crippen Method
logp	0.031		Crippen Method
mcvol	111.750	ml/mol	McGowan Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C5117124&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

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