

Morpholine, 4-(methylsulfonyl)-

Other names:	Morpholine methane sulfonic acid amide 4-(Methylsulfonyl)morpholine
Inchi:	InChI=1S/C5H11NO3S/c1-10(7,8)6-2-4-9-5-3-6/h2-5H2,1H3
InchiKey:	GVZKQMUSVBGSIZ-UHFFFAOYSA-N
Formula:	C5H11NO3S
SMILES:	CS(=O)(=O)N1CCOCC1
Mol. weight [g/mol]:	165.21
CAS:	1697-34-3

Physical Properties

Property code	Value	Unit	Source
log10ws	0.71		Crippen Method
logp	-0.722		Crippen Method
mcvol	114.390	ml/mol	McGowan Method

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=C1697343&Units=SI

Legend

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

Latest version available from:

<https://www.chemeo.com/cid/20-163-8/Morpholine-4-methylsulfonyl.pdf>

Generated by Cheméo on 2025-12-05 22:20:57.42634191 +0000 UTC m=+4721454.956382578.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.