

4-Isobutylmorpholine

Other names:	N-Isobutylmorpholine Morpholine, 4-(2-methylpropyl)- Morpholine, 4-isobutyl-
Inchi:	InChI=1S/C8H17NO/c1-8(2)7-9-3-5-10-6-4-9/h8H,3-7H2,1-2H3
InchiKey:	QKVSMsABRNCNRS-UHFFFAOYSA-N
Formula:	C8H17NO
SMILES:	CC(C)CN1CCOCC1
Mol. weight [g/mol]:	143.23
CAS:	10315-98-7

Physical Properties

Property code	Value	Unit	Source
ie	8.46 ± 0.03	eV	NIST Webbook
log10ws	-0.48		Crippen Method
logp	0.975		Crippen Method
mcvol	128.570	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=C10315987&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

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

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