N-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

Physical Properties

Property code	Value	Unit	Source
hvap	48.16	kJ/mol	Cheméo Relay (1.0)
ie	8.46 ± 0.03	eV	NIST Webbook
logp	0.975		Crippen Method
mcvol	128.570	ml/mol	McGowan Method
tb	445.47	K	Cheméo Relay (1.0)
tf	217.81	K	Cheméo Relay (1.0)

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C10315987&Units=SI

Legend

hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy

logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tb:	Normal Boiling Point Temperature
tf:	Normal melting (fusion) point