Piperidine, 1-(2-methyl-1-propenyl)-

Other names:	Piperidine, 1-(2-methylpropenyl)-
	1-(2-Methyl-1-propenyl)piperidine
	1-Piperidinoisobutene
	n-Isobuten-1-ylpiperidine
	1-Piperidino-1-isobutene
Inchi:	InChI=1S/C9H17N/c1-9(2)8-10-6-4-3-5-7-10/h8H,3-7H2,1-2H3
InchiKey:	ZQZUJFQBFGFJMM-UHFFFAOYSA-N
Formula:	C9H17N
SMILES:	CC(C)=CN1CCCCC1
Mol. weight [g/mol]:	139.24
CAS:	673-33-6

Physical Properties

Property code	Value	Unit	Source
affp	978.20	kJ/mol	NIST Webbook
basg	949.40	kJ/mol	NIST Webbook
ie	8.00	eV	NIST Webbook
ie	7.93 ± 0.03	eV	NIST Webbook
log10ws	-2.40		Crippen Method
logp	2.396		Crippen Method
mcvol	132.490	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=C673336&Units=SI

Legend

affp:	Proton affinity
basg:	Gas basicity
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume