Piperidine, 1-(1-butenyl)-

Other names:	1-(1-Butenyl)piperidine
	(E) 1-Piperidino-1-butene
Inchi:	InChI=1S/C9H17N/c1-2-3-7-10-8-5-4-6-9-10/h3,7H,2,4-6,8-9H2,1H3/b7-3+
InchiKey:	YBTBLUIZFVXVOK-XVNBXDOJSA-N
Formula:	C9H17N
SMILES:	CCC=CN1CCCCC1
Mol. weight [g/mol]:	139.24
CAS:	7182-10-7

Physical Properties

Property code	Value	Unit	Source
chl	-5887.40 ± 8.20	kJ/mol	NIST Webbook
hfl	-83.70 ± 8.20	kJ/mol	NIST Webbook
ie	7.46	eV	NIST Webbook
log10ws	-2.40		Crippen Method
logp	2.396		Crippen Method
mcvol	132.490	ml/mol	McGowan Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C7182107&Units=SI
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

Legend

chl:	Standard liquid enthalpy of combustion
hfl:	Liquid phase enthalpy of formation at standard conditions
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

mcvol: McGowan's characteristic volume