Pyrrolidine, 1-(1-cyclopenten-1-yl)-

Other names:	N-(1-Cyclopenten-1-yl)pyrrolidine
	1-(Cyclopent-1'-enyl)pyrrolidine
	1-(1-Cyclopenten-1-yl)pyrrolidine
	1-(1-Pyrrolidino)cyclopentene
	1-(1-Pyrrolidinyl)-1-cyclopentene
	1-(1-Pyrrolidinyl)cyclopentene
	1-Cyclopentenylpyrrolidine
	1-Pyrrolidinocyclopentene
	Pyrrolidine, 1-cyclopentenyl-
	1-Pyrrolidino-1-cyclopentene
	1-(1-Cyclopentene-1-yl)-pyrrolidine
	N-(1-Cyclopentenyl)pyrrolidine
	NSC 29653
	N-(cyclopent-1-ene-1-yl)pyrrolidine
Inchi:	InChI=1S/C9H15N/c1-2-6-9(5-1)10-7-3-4-8-10/h5H,1-4,6-8H2
InchiKey:	KOFSFYBXUYHNJL-UHFFFAOYSA-N
Formula:	C9H15N
SMILES:	C1=C(N2CCCC2)CCC1
Mol. weight [g/mol]:	137.22
CAS:	7148-07-4

Physical Properties

Property code	Value	Unit	Source
affp	1019.20	kJ/mol	NIST Webbook
basg	988.40	kJ/mol	NIST Webbook
ie	7.10 ± 0.05	eV	NIST Webbook
ie	7.10	eV	NIST Webbook
log10ws	-2.30		Crippen Method
logp	2.150		Crippen Method
mcvol	121.630	ml/mol	McGowan Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source

tbrp	378.20	K	2.00	NIST Webbook

Sources

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=C7148074&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

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
tbrp:	Boiling point at reduced pressure

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