

1-Piperidinamine

Other names:	Piperidine, 1-amino- N-Aminopiperidine 1-Aminopiperidine 1,1-Pentamethylenhydrazine N-piperidylamine
Inchi:	InChI=1S/C5H12N2/c6-7-4-2-1-3-5-7/h1-6H2
InchiKey:	LWMPFIOTEAXAGV-UHFFFAOYSA-N
Formula:	C5H12N2
SMILES:	NN1CCCCC1
Mol. weight [g/mol]:	100.16
CAS:	2213-43-6

Physical Properties

Property code	Value	Unit	Source
ie	8.63	eV	NIST Webbook
log10ws	-0.80		Crippen Method
logp	0.346		Crippen Method
mcvol	90.410	ml/mol	McGowan Method
rinpol	859.00		NIST Webbook
rinpol	859.00		NIST Webbook

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	419.20	K	97.30	NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

Legend

ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices
tbrp:	Boiling point at reduced pressure

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