

1-Piperidinepropanenitrile

Other names:	1-Piperidinepropionitrile 3-Piperidinopropionitrile «beta»-Piperidinopropionitrile 3-(N-Piperidino)propionitrile 3-(1-Piperidine)propionitrile
Inchi:	InChI=1S/C8H14N2/c9-5-4-8-10-6-2-1-3-7-10/h1-4,6-8H2
InchiKey:	YZICFVIUVMCCOC-UHFFFAOYSA-N
Formula:	C8H14N2
SMILES:	N#CCCN1CCCCC1
Mol. weight [g/mol]:	138.21
CAS:	3088-41-3

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.50		Crippen Method
logp	1.386		Crippen Method
mcvol	124.080	ml/mol	McGowan Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	383.70	K	2.10	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
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C3088413&Units=SI

Legend

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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