

Diaziridine,1,3,3-trimethyl-

Other names:	1,3,3-Trimethyldiaziridine
Inchi:	InChI=1S/C4H10N2/c1-4(2)5-6(4)3/h5H,1-3H3
InchiKey:	CVCBOJBQZVFLHO-UHFFFAOYSA-N
Formula:	C4H10N2
SMILES:	CN1NC1(C)C
Mol. weight [g/mol]:	86.14
CAS:	40711-15-7

Physical Properties

Property code	Value	Unit	Source
ie	9.20	eV	NIST Webbook
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log10ws	-0.75		Crippen Method
logp	0.172		Crippen Method
mcvol	76.320	ml/mol	McGowan Method

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=C40711157&Units=SI

Legend

ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

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