

1,2-Dimethyldiaziridine

Other names: Diaziridine, 1,2-dimethyl-
Inchi: InChI=1S/C3H8N2/c1-4-3-5(4)2/h3H2,1-2H3
InchiKey: HHUSPFWAFUDXFF-UHFFFAOYSA-N
Formula: C3H8N2
SMILES: CN1CN1C
Mol. weight [g/mol]: 72.11
CAS: 6794-95-2

Physical Properties

Property code	Value	Unit	Source
ie	9.42	eV	NIST Webbook
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log10ws	0.40		Crippen Method
logp	-0.264		Crippen Method
mcvol	62.230	ml/mol	McGowan Method

Sources

McGowan Method: <http://link.springer.com/article/10.1007/BF02311772>
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C6794952&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

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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