

(CH3)2NC(CH3)=N(CH2)2N(CH3)2

Inchi:	InChI=1S/C8H19N3/c1-8(11(4)5)9-6-7-10(2)3/h6-7H2,1-5H3
InchiKey:	ZOSVNRJJEIIPFO-UHFFFAOYSA-N
Formula:	C8H19N3
SMILES:	CC(=NCCN(C)C)N(C)C
Mol. weight [g/mol]:	157.26
CAS:	151328-45-9

Physical Properties

Property code	Value	Unit	Source
affp	1048.50	kJ/mol	NIST Webbook
basg	1016.10	kJ/mol	NIST Webbook
hf	-0.96	kJ/mol	Joback Method
hvap	40.88	kJ/mol	Joback Method
log10ws	0.03		Crippen Method
logp	0.528		Crippen Method
mcvol	149.220	ml/mol	McGowan Method
pc	2289.32	kPa	Joback Method
tb	483.88	K	Joback Method
tc	667.53	K	Joback Method

Sources

Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C151328459&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307I
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

affp: Proton affinity

basg:	Gas basicity
hf:	Enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature

Latest version available from:

<https://www.chemeo.com/cid/10-045-0/CH3-2NC-CH3-N-CH2-2N-CH3-2.pdf>

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