

CH₃C(N(CH₃)₂)=NN(CH₃)₂

Inchi:	InChI=1S/C5H13N3/c1-7(2)5-6-8(3)4/h5H,1-4H3/b6-5+
InchiKey:	ZMYFTZKYEGWYHI-AATRIKPKSA-N
Formula:	C ₅ H ₁₃ N ₃
SMILES:	CN(C)C=NN(C)C
Mol. weight [g/mol]:	115.18
CAS:	32150-27-9

Physical Properties

Property code	Value	Unit	Source
affp	995.80	kJ/mol	NIST Webbook
basg	963.40	kJ/mol	NIST Webbook
hf	70.75	kJ/mol	Joback Method
hvap	34.12	kJ/mol	Joback Method
log10ws	0.29		Crippen Method
logp	0.053		Crippen Method
mcvol	106.950	ml/mol	McGowan Method
pc	3062.55	kPa	Joback Method
tb	415.36	K	Joback Method
tc	600.61	K	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C32150279&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307I
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Joback Method:	https://en.wikipedia.org/wiki/Joback_method

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

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