

(CH₃)₂N-C(C₂H₅)=N(n-C₅H₁₁)

Inchi: InChI=1S/C10H22N2/c1-5-7-8-9-11-10(6-2)12(3)4/h5-9H2,1-4H3
InchiKey: ARHKZWXZVKYOLO-UHFFFAOYSA-N
Formula: C₁₀H₂₂N₂
SMILES: CCCCCN=C(CC)N(C)C
Mol. weight [g/mol]: 170.30
CAS: 107322-35-0

Physical Properties

Property code	Value	Unit	Source
affp	1037.90	kJ/mol	NIST Webbook
basg	1005.50	kJ/mol	NIST Webbook
hf	-109.77	kJ/mol	Joback Method
hvap	43.29	kJ/mol	Joback Method
log10ws	-2.24		Crippen Method
logp	2.547		Crippen Method
mcvol	167.420	ml/mol	McGowan Method
pc	1923.67	kPa	Joback Method
tb	517.20	K	Joback Method
tc	699.11	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=C107322350&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
hvac:	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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