(CH3)2N-CH=N-(2-methylpropyl)

Inchi: InChI=1S/C7H16N2/c1-7(2)5-8-6-9(3)4/h6-7H,5H2,1-4H3
InchiKey: HWEIPIXVVKGYFO-UHFFFAOYSA-N
Formula: C7H16N2
SMILES: CC(C)CN=CN(C)C
Mol. weight [g/mol]: 128.22
CAS: 67161-18-6

Physical Properties

Property code	Value	Unit	Source
affp	1014.50	kJ/mol	NIST Webbook
basg	982.00	kJ/mol	NIST Webbook
hf	-43.34	kJ/mol	Joback Method
hvap	36.14	kJ/mol	Joback Method
log10ws	-0.74		Crippen Method
logp	1.232		Crippen Method
mcvol	125.150	ml/mol	McGowan Method
pc	2527.73	kPa	Joback Method
tb	448.24	K	Joback Method
tc	636.48	K	Joback Method

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
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=C67161186&Units=SI

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