3-methylbutanamine, N-(2-methylpropylidene)

Other names: N-(2-methylpropylidene)-3-methylbutanamine
Inchi: InChI=1S/C9H19N/c1-8(2)5-6-10-7-9(3)4/h7-9H,5-6H2,1-4H3/b10-7+
InchiKey: KBEGJEDUYIIXLF-JXMROGBWSA-N
Formula: C9H19N
SMILES: CC(C)C=NCCC(C)C
Mol. weight [g/mol]: 141.25

Physical Properties

Property code	Value	Unit	Source
hf	-157.43	kJ/mol	Joback Method
hvap	38.17	kJ/mol	Joback Method
log10ws	-2.27		Crippen Method
logp	2.759		Crippen Method
mcvol	143.350	ml/mol	McGowan Method
pc	2121.68	kPa	Joback Method
rinpol	927.00		NIST Webbook
rinpol	927.00		NIST Webbook
rinpol	927.00		NIST Webbook
ripol	1040.00		NIST Webbook
ripol	1040.00		NIST Webbook
tb	481.12	K	Joback Method
tc	671.72	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=R315001&Units=SI

Legend

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
rinpol:	Non-polar retention indices
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature