

Butanamine, 2-methyl-N-(3-methylbutylidene)

Other names:	2-Methyl-N-(3-methylbutylidene)-butanamine 2-Methyl-N-(3'-methylbutylidene)butanamine 1-Butanamine, 2-methyl-N-(3-methylbutylidene)
Inchi:	InChI=1S/C10H21N/c1-5-10(4)8-11-7-6-9(2)3/h7,9-10H,5-6,8H2,1-4H3/b11-7+
InchiKey:	VVUGQHYKYDXGSU-YRNVUSSQSA-N
Formula:	C10H21N
SMILES:	CCC(C)CN=CCC(C)C
Mol. weight [g/mol]:	155.28

Physical Properties

Property code	Value	Unit	Source
hf	-178.07	kJ/mol	Joback Method
hvap	40.39	kJ/mol	Joback Method
log10ws	-2.69		Crippen Method
logp	3.149		Crippen Method
mcvol	157.440	ml/mol	McGowan Method
pc	1945.79	kPa	Joback Method
rinpol	1033.00		NIST Webbook
rinpol	1033.00		NIST Webbook
ripol	1137.00		NIST Webbook
ripol	1137.00		NIST Webbook
ripol	1158.00		NIST Webbook
ripol	1137.00		NIST Webbook
tb	504.00	K	Joback Method
tc	692.42	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=R45774&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
rinpola:	Non-polar retention indices
ripola:	Polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature

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