

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

Other names:	3-Methyl-N-(2-methylbutylidene)-butanamine 1-Butanamine, 3-methyl-N-(2-methylbutylidene) 3-Methyl-N-(2'-methylbutylidene)butanamine
Inchi:	InChI=1S/C10H21N/c1-5-10(4)8-11-7-6-9(2)3/h8-10H,5-7H2,1-4H3
InchiKey:	RDMRJKOVIBJRLU-UHFFFAOYSA-N
Formula:	C10H21N
SMILES:	CCC(C)C=NCCC(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	1025.00		NIST Webbook
rinpol	1026.00		NIST Webbook
rinpol	1026.00		NIST Webbook
rinpol	1025.00		NIST Webbook
ripol	1155.00		NIST Webbook
ripol	1139.00		NIST Webbook
ripol	1155.00		NIST Webbook
ripol	1155.00		NIST Webbook
tb	504.00	K	Joback Method
tc	692.42	K	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R45738&Units=SI
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

Legend

hf:	Enthalpy of formation at standard conditions
h_{vap}:	Enthalpy of vaporization at standard conditions
log₁₀ws:	Log10 of Water solubility in mol/l
log_p:	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

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