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

Other names: 3-Methyl-N-(3-methylbutylidene)-1-butanamine
3-Methyl-N-(3'-methylbutylidene)butanamine
3-Methyl-N-(3-methylbutylidene)-butanamine
Butanamine, 3-methyl-N-(3-methylbutylidene)
N-Isopentylidene isopentylamine
3-methyl-N-(3-methylbutyl)butan-1-imine

Inchi: InChI=1S/C10H21N/c1-9(2)5-7-11-8-6-10(3)4/h7,9-10H,5-6,8H2,1-4H3

InchiKey: WYNULUURQZBBSK-UHFFFAOYSA-N

Formula: C10H21N

SMILES: CC(C)CC=NCCC(C)C

Mol. weight [g/mol]: 155.28

CAS: 35448-31-8

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	1034.00		NIST Webbook
rinpol	1033.00		NIST Webbook
rinpol	1033.00		NIST Webbook
rinpol	1047.00		NIST Webbook
rinpol	1032.00		NIST Webbook
rinpol	1033.00		NIST Webbook
ripol	1164.00		NIST Webbook
ripol	1164.00		NIST Webbook
ripol	1130.00		NIST Webbook
ripol	1167.00		NIST Webbook
tb	504.00	K	Joback Method
tc	692.42	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=C35448318&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

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

Latest version available from:
https://www.chemeo.com/cid/11-909-0/1-Butanamine-3-methyl-N-3-methylbutylidene.pdf
Generated by Cheméo on 2024-04-25 01:40:29.265316272 +0000 UTC m=+16298478.185893594.
Cheméo (https://www.chemeo.com) is the biggest free database of chemical and physical data for the process industry.