1-Butanamine, 3-methyl-N-(2-phenylethylidene)-

Other names: 3-Methyl-N-(2-phenylethylidene)-1-butanamine
Inchi: InChI=1S/C13H19N/c1-12(2)8-10-14-11-9-13-6-4-3-5-7-13/h3-7,11-12H,8-10H2,1-2H3
InchiKey: UDSNAMUMSIUNOU-UHFFFAOYSA-N
Formula: C13H19N
SMILES: CC(C)CCN=CCc1ccccc1
Mol. weight [g/mol]: 189.30
CAS: 139183-86-1

Physical Properties

Property code	Value	Unit	Source
hf	1.82	kJ/mol	Joback Method
hvap	49.73	kJ/mol	Joback Method
log10ws	-3.29		Crippen Method
logp	3.346		Crippen Method
mcvol	175.950	ml/mol	McGowan Method
pc	2007.30	kPa	Joback Method
rinpol	1396.00		NIST Webbook
rinpol	1396.00		NIST Webbook
rinpol	1387.00		NIST Webbook
rinpol	1387.00		NIST Webbook
tb	599.76	K	Joback Method
tc	816.94	K	Joback Method

Sources

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=C139183861&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature