1-Butanamine, N-(phenylmethylene)-

Other names:	Butylamine, N-benzylidene-
	Butylbenzylideneamine
	N-Benzylidenebutylamine
	N-Benzylidene-n-butylamine
	Benzylidene-(butylamine)
Inchi:	InChI=1S/C11H15N/c1-2-3-9-12-10-11-7-5-4-6-8-11/h4-8,10H,2-3,9H2,1H3
InchiKey:	IADUISXJUXDNFB-UHFFFAOYSA-N
Formula:	C11H15N
SMILES:	CCCCN=Cc1ccccc1
Mol. weight [g/mol]:	161.24
CAS:	1077-18-5

Physical Properties

Property code	Value	Unit	Source
hf	48.38	kJ/mol	Joback Method
hvap	45.67	kJ/mol	Joback Method
log10ws	-2.80		Crippen Method
logp	2.906		Crippen Method
mcvol	147.770	ml/mol	McGowan Method
pc	2384.19	kPa	Joback Method
rinpol	1368.00		NIST Webbook
rinpol	1368.00		NIST Webbook
tb	554.44	K	Joback Method
tc	774.70	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=C1077185&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature