Benzeneethanamine, N-(phenylmethylene)-

Other names:	Phenethylamine, N-benzylidene-
	N-Benzylidene-«beta»-phenethylamine
	N-Benzylidene-«beta»-phenylethylamine
	N-Benzylidene phenylethylamine
Inchi:	InChI=1S/C15H15N/c1-3-7-14(8-4-1)11-12-16-13-15-9-5-2-6-10-15/h1-10,13H,11-12H2
InchiKey:	OOBAKFDIGIHHOM-UHFFFAOYSA-N
Formula:	C15H15N
SMILES:	C(=NCCc1ccccc1)c1ccccc1
Mol. weight [g/mol]:	209.29
CAS:	3240-95-7

Physical Properties

Property code	Value	Unit	Source
hf	202.35	kJ/mol	Joback Method
hvap	56.85	kJ/mol	Joback Method
log10ws	-3.57		Crippen Method
logp	3.348		Crippen Method
mcvol	180.370	ml/mol	McGowan Method
pc	2265.42	kPa	Joback Method
ripol	2560.00		NIST Webbook
tb	672.64	K	Joback Method
tc	922.22	K	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C3240957&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
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

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
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature