Benzylidene-octyl-amine

Inchi: InChI=1S/C15H23N/c1-2-3-4-5-6-10-13-16-14-15-11-8-7-9-12-15/h7-9,11-12,14H,2-6,10
InchiKey: AALHPZGQEHBZET-UHFFFAOYSA-N
Formula: C15H23N
SMILES: CCCCCCCCN=Cc1ccccc1
Mol. weight [g/mol]: 217.35

Physical Properties

Property code	Value	Unit	Source
hf	-34.18	kJ/mol	Joback Method
hvap	54.57	kJ/mol	Joback Method
log10ws	-4.47		Crippen Method
logp	4.466		Crippen Method
mcvol	204.130	ml/mol	McGowan Method
pc	1690.72	kPa	Joback Method
rinpol	1772.00		NIST Webbook
rinpol	1772.00		NIST Webbook
tb	645.96	K	Joback Method
tc	852.14	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=R158531&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