p-chlorobenzylidene-cyclohexyl-amine

Inchi: InChI=1S/C13H16ClN/c14-12-8-6-11(7-9-12)10-15-13-4-2-1-3-5-13/h6-10,13H,1-5H2/b15
InchiKey: JAXKXTHEYAPNGE-XNTDXEJSSA-N
Formula: C13H16ClN
SMILES: Clc1ccc(C=NC2CCCCC2)cc1
Mol. weight [g/mol]: 221.73

Physical Properties

Property code	Value	Unit	Source
hf	34.21	kJ/mol	Joback Method
hvap	55.60	kJ/mol	Joback Method
log10ws	-4.32		Crippen Method
logp	4.092		Crippen Method
mcvol	177.330	ml/mol	McGowan Method
pc	2295.91	kPa	Joback Method
rinpol	1872.00		NIST Webbook
rinpol	1872.00		NIST Webbook
tb	662.16	K	Joback Method
tc	918.77	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=R159876&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

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