p-chlorobenzylidene-phenyl-amine

Inchi: InChI=1S/C13H10ClN/c14-12-8-6-11(7-9-12)10-15-13-4-2-1-3-5-13/h1-10H
InchiKey: CFBVFBIZXQEQHX-UHFFFAOYSA-N
Formula: C13H10ClN
SMILES: Clc1ccc(C=Nc2ccccc2)cc1
Mol. weight [g/mol]: 215.68

Physical Properties

Property code	Value	Unit	Source
hf	216.42	kJ/mol	Joback Method
hvap	57.45	kJ/mol	Joback Method
log10ws	-4.02		Crippen Method
logp	4.091		Crippen Method
mcvol	164.430	ml/mol	McGowan Method
pc	2600.43	kPa	Joback Method
rinpol	1968.00		NIST Webbook
rinpol	1968.00		NIST Webbook
tb	669.29	K	Joback Method
tc	934.27	K	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R159945&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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature