p-chlorobenzylidene-benzyl-amine

Inchi: InChI=1S/C14H12ClN/c15-14-8-6-13(7-9-14)11-16-10-12-4-2-1-3-5-12/h1-9,11H,10H2
InchiKey: BZBIJDZJMFLHDK-UHFFFAOYSA-N
Formula: C14H12ClN
SMILES: Clc1ccc(C=NCc2ccccc2)cc1
Mol. weight [g/mol]: 229.71

Physical Properties

Property code	Value	Unit	Source
hf	195.78	kJ/mol	Joback Method
hvap	59.67	kJ/mol	Joback Method
log10ws	-4.34		Crippen Method
logp	3.959		Crippen Method
mcvol	178.520	ml/mol	McGowan Method
pc	2363.37	kPa	Joback Method
rinpol	2024.00		NIST Webbook
rinpol	2024.00		NIST Webbook
tb	692.17	K	Joback Method
tc	950.78	K	Joback Method

Sources

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=R159856&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

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

Latest version available from:

https://www.chemeo.com/cid/49-943-1/p-chlorobenzylidene-benzyl-amine.pdf

Generated by Cheméo on 2024-10-12 05:03:15.188787785 +0000 UTC m=+3290257.825757034.

Cheméo (https://www.chemeo.com) is the biggest free database of chemical and physical data for the process industry.