N-(4-Chlorobenzylidene)-p-toluidine

Other names: p-chlorobenzylidene-(4-methylphenyl)-amine
Inchi: InChI=1S/C14H12ClN/c1-11-2-8-14(9-3-11)16-10-12-4-6-13(15)7-5-12/h2-10H,1H3
InchiKey: PIWKYIYNFISGNT-UHFFFAOYSA-N
Formula: C14H12ClN
SMILES: Cc1ccc(N=Cc2ccc(Cl)cc2)cc1
Mol. weight [g/mol]: 229.71

Physical Properties

Property code	Value	Unit	Source
hf	184.31	kJ/mol	Joback Method
hvap	60.33	kJ/mol	Joback Method
log10ws	-4.50		Crippen Method
logp	4.399		Crippen Method
mcvol	178.520	ml/mol	McGowan Method
pc	2329.27	kPa	Joback Method
rinpol	2077.00		NIST Webbook
rinpol	2077.00		NIST Webbook
tb	697.15	K	Joback Method
tc	956.60	K	Joback Method

Sources

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=U225220&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

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