Aniline, N-benzylidene-p-chloro-

Other names:	1-Chlorobenzene, 4-benzylidenamino- Benzylidene-(4-chlorophenyl)-amine
Inchi:	InChI=1S/C13H10ClN/c14-12-6-8-13(9-7-12)15-10-11-4-2-1-3-5-11/h1-10H
InchiKey:	NWCAQYVAHZWHIO-UHFFFAOYSA-N
Formula:	C13H10ClN
SMILES:	Clc1ccc(N=Cc2ccccc2)cc1
Mol. weight [g/mol]:	215.68
CAS:	780-21-2

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	1977.00		NIST Webbook
rinpol	1977.00		NIST Webbook
tb	669.29	K	Joback Method
tc	934.27	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=C780212&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