

Salicylidene o-chloroaniline

Other names:	«alpha»-(2-Chlorophenylimino)-ortho-cresol
Inchi:	InChI=1S/C13H10ClNO/c14-11-6-2-3-7-12(11)15-9-10-5-1-4-8-13(10)16/h1-9,16H
InchiKey:	RJZYMXSMSDKXBO-UHFFFAOYSA-N
Formula:	C13H10ClNO
SMILES:	Oc1cccc1C=Nc1cccc1Cl
Mol. weight [g/mol]:	231.68
CAS:	3172-42-7

Physical Properties

Property code	Value	Unit	Source
hf	39.11	kJ/mol	Joback Method
hvap	70.46	kJ/mol	Joback Method
log10ws	-3.57		Crippen Method
logp	3.796		Crippen Method
mcvol	170.300	ml/mol	McGowan Method
pc	3045.68	kPa	Joback Method
tb	749.91	K	Joback Method
tc	1020.91	K	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C3172427&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature

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