Salicylidene aniline

Other names:	«alpha»-(Phenylimino)-ortho-cresol
	o-Hydroxy benzylidene aniline
	N-Salicylideneaniline
	Phenol, 2-((phenylimino)methyl)-
	N-(2-Hydroxybenzylidene)aniline
	O-Cresol, «alpha»-phenyl imino-
	2-Hydroxybenzaldehyde N-phenylimine
	O-cresol, alpha-phenyl imino-
Inchi:	InChI=1S/C13H11NO/c15-13-9-5-4-6-11(13)10-14-12-7-2-1-3-8-12/h1-10,15H
InchiKey:	QIYHCQVVYSSDTI-UHFFFAOYSA-N
Formula:	C13H11NO
SMILES:	Oc1ccccc1C=Nc1ccccc1
Mol. weight [g/mol]:	197.23
CAS:	779-84-0

Physical Properties

Property code	Value	Unit	Source
hf	66.32	kJ/mol	Joback Method
hvap	65.41	kJ/mol	Joback Method
log10ws	-2.89		Crippen Method
logp	3.143		Crippen Method
mcvol	158.060	ml/mol	McGowan Method
pc	3228.31	kPa	Joback Method
tb	707.50	K	Joback Method
tc	976.19	K	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	115.90	kJ/mol	306.50	NIST Webbook
hsubt	129.90	kJ/mol	378.00	NIST Webbook

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=C779840&Units=SI

Legend

hf:	Enthalpy of formation at standard conditions
hsubt:	Enthalpy of sublimation at a given temperature
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