4-Hydroxybenzalaniline

Other names:	1-(4-Hydroxybenzylidene) aniline
	Phenol, 4-[(phenylimino)methyl]-
	Phenol, p-(N-phenylformimidoyl)-
	N-(p-Hydroxybenzylidene)aniline
	N-p-Hydroxybenzalaniline
	4-Hydroxybenzaldehyde N-phenylimine
Inchi:	InChI=1S/C13H11NO/c15-13-8-6-11(7-9-13)10-14-12-4-2-1-3-5-12/h1-10,15H
InchiKey:	KAFOXNBOSQXQDL-UHFFFAOYSA-N
Formula:	C13H11NO
SMILES:	Oc1ccc(C=Nc2ccccc2)cc1
Mol. weight [g/mol]:	197.23
CAS:	1689-73-2

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	127.90	kJ/mol	378.00	NIST Webbook
hsubt	116.00	kJ/mol	313.00	NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C1689732&Units=SI
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

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