Salicylaldehyde, azine

Other names:	Benzaldehyde, 2-hydroxy-, [(2-hydroxyphenyl)methylene]hydrazone
	Salicylalazine
	Salicylaldazine
	Salicylazine
	2,2'-Dihydroxybenzalazine
	o-Hydroxybenzaldazine
	Salazine
	2-Hydroxybenzaldehyde, [(2-hydroxyphenyl)methylidene]hydrazone
	Benzaldehyde, 2-hydroxy-, 2-[(2-hydroxyphenyl)methylene]hydrazone
	NSC 864
	«alpha»,«alpha»'-azinodi-o-cresol
Inchi:	InChI=1S/C14H12N2O2/c17-13-7-3-1-5-11(13)9-15-16-10-12-6-2-4-8-14(12)18/h1-10,17
InchiKey:	STOVYWBRBMYHPC-UHFFFAOYSA-N
Formula:	C14H12N2O2
SMILES:	Oc1ccccc1C=NN=Cc1ccccc1O
Mol. weight [g/mol]:	240.26
CAS:	959-36-4

Physical Properties

Property code	Value	Unit	Source
hf	-49.41	kJ/mol	Joback Method
hvap	83.97	kJ/mol	Joback Method
log10ws	-2.51		Crippen Method
logp	2.551		Crippen Method
mcvol	183.700	ml/mol	McGowan Method
pc	3045.68	kPa	Joback Method
tb	887.68	K	Joback Method
tc	1165.50	K	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C959364&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
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