

2-(2-Hydroxybenzylideneamino)phenol

Other names:	Salicylidene-o-aminophenol N-(Salicylidene)-2-hydroxyaniline o-Salicylideneaminophenol Phenol, 2-[(2-hydroxyphenyl)imino]methyl]- o-(Salicylideneimino)phenol o-Cresol, «alpha»-((o-hydroxyphenyl)imino)- Manganon N-Salicylidene-o-aminophenol Phenol, o-(salicylideneamino)- Phenol, O-(N-(o-hydroxyphenyl)formimidoyl)- Phenol, 2,2'-(methylidynenitrilo)di- Salicylal-o-aminophenol Salicylal-2-aminophenol 2-Hydroxy-N-(2-hydroxybenzylidene)aniline 2-Hydroxy-N-salicylideneaniline 2-Hydroxyanilinosalicylidene 2-Salicylideneaminophenol 2-(Salicylideneamino)phenol N-(2-Hydroxyphenyl)salicylaldimine NSC 1555 NSC 404030 o-Hydroxy-N-salicylidene aniline o-[(2-hydroxyphenyl)imino]methyl]phenol
Inchi:	InChI=1S/C13H11NO2/c15-12-7-3-1-5-10(12)9-14-11-6-2-4-8-13(11)16/h1-9,15-16H
InchiKey:	CHBGIQHEGBKNGA-UHFFFAOYSA-N
Formula:	C13H11NO2
SMILES:	Oc1ccccc1C=Nc1ccccc1O
Mol. weight [g/mol]:	213.23
CAS:	1761-56-4

Physical Properties

Property code	Value	Unit	Source
hf	-110.99	kJ/mol	Joback Method
hvap	78.43	kJ/mol	Joback Method
log10ws	-2.43		Crippen Method
logp	2.848		Crippen Method

mcvol	163.930	ml/mol	McGowan Method
pc	3853.09	kPa	Joback Method
tb	788.12	K	Joback Method
tc	1061.99	K	Joback Method

Sources

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=C1761564&Units=SI>

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307l>

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

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

Latest version available from:

<https://www.chemeo.com/cid/58-071-9/2-2-Hydroxybenzylideneamino-phenol.pdf>

Generated by Cheméo on 2024-04-09 05:27:13.073442084 +0000 UTC m=+14929681.994019399.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.