Salicylidene o-aminophenol

Other names: 2-(Salicylidenamino)phenol
2-Hydroxy-N-(2-hydroxybenzylidene)aniline
2-Hydroxy-N-salicylideneaniline
2-Hydroxyanilinosalicylidene
2-Salicylideneaminophenol
Manganon
N-(2-Hydroxyphenyl)salicylaldimine
N-(Salicylidene)-2-hydroxyaniline
N-Salicylidene-o-aminophenol
NSC 1555
NSC 404030
Phenol, 2,2'-(methylidynenitrilo)di-
Phenol, 2-[[(2-hydroxyphenyl)imino]methyl]-
Phenol, O-(N-(o-hydroxyphenyl)formimidoyl)-
Phenol, o-(salicylideneamino)-
Salicylal-2-aminophenol
Salicylal-o-aminophenol
Salicylidene-o-aminophenol
o-(Salicylidenimino)phenol
o-Cresol, «alpha»-((o-hydroxyphenyl)imino)-
o-Hydroxy-N-salicylidene aniline
o-Salicylideneaminophenol
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]: 213.24

Physical Properties

Property code	Value	Unit	Source
hvap	106.56	kJ/mol	Cheméo Relay (1.0)
ie	7.61	eV	Cheméo Relay (1.0)
log10ws	-2.54		Cheméo Relay (1.0)
logp	2.848		Crippen Method
mcvol	163.930	ml/mol	McGowan Method

tb	598.59	K	Cheméo Relay (1.0)
tf	386.08	K	Cheméo Relay (1.0)

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C1761564&Units=SI
Joback Method:	https://en.wikipedia.org/wiki/Joback_method

Legend

hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tb:	Normal Boiling Point Temperature
tf:	Normal melting (fusion) point