PHENOL, 2,2'-[1,3-PROPANEDIYLBIS(NITRILOMETHYLIDYN

Other names: 1,3-Bis(o-hydroxybenzylideneamino)propane
1,3-Bis(salicylideneamino)propane
2,2'-((propane-1,3-diylbis(azanylylidene))bis(methanylylidene))diphenol
DSPD
Disalicylicenepropanediamine
Disalicylidene-1,3-propanediamine
Disalicylidenepropanediamine
N,N'-Disalicylidene-1,3-diamino-propane
N,N'-bis(2-hydroxybenzylidene)-1,3-propanediamine
NSC 166332
o-Cresol, alpha,alpha'-(trimethylenedinitrilo)di-
o-Cresol, «alpha»,«alpha»'-(trimethylenedinitrilo)di-
«alpha»,«alpha»'-(Trimethylenedinitrilo)di-o-cresol

Inchi: InChI=1S/C17H18N2O2/c20-16-8-3-1-6-14(16)12-18-10-5-11-19-13-15-7-2-4-9-17(15)21

InchiKey: KLDZYURQCUYZBL-UHFFFAOYSA-N

Formula: C17H18N2O2

SMILES: Oc1ccccc1C=NCCCN=Cc1ccccc1O

Mol. weight [g/mol]: 282.34

Physical Properties

Property code	Value	Unit	Source
hvap	125.89	kJ/mol	Cheméo Relay (1.0)
ie	8.16	eV	Cheméo Relay (1.0)
log10ws	-3.08		Cheméo Relay (1.0)
logp	3.026		Crippen Method
mcvol	225.970	ml/mol	McGowan Method
tb	644.12	K	Cheméo Relay (1.0)
tf	391.73	K	Cheméo Relay (1.0)

Sources

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):

Effect of an ionic liquid on the volumetric behavior of tetradentate N2O2 type Schiff bases in DMF at T = (308.15 to 328.15) K:	https://www.doi.org/10.1016/j.jct.2012.02.020
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C120707&Units=SI
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

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