1-Hydroxy-2-(2,4,6-trimethyl) naphthanilide

Inchi: InChI=1S/C20H19NO2/c1-12-10-13(2)18(14(3)11-12)21-20(23)17-9-8-15-6-4-5-7-16(15)
InchiKey: BJTNZOWFBLAJSD-UHFFFAOYSA-N
Formula: C20H19NO2
SMILES: Cc1cc(C)c(N=C(O)c2ccc3ccccc3c2O)c(C)c1
Mol. weight [g/mol]: 305.37
CAS: 110150-56-6

Physical Properties

Property code	Value	Unit	Source
hf	-94.99	kJ/mol	Joback Method
hvap	102.04	kJ/mol	Joback Method
log10ws	-5.94		Crippen Method
logp	5.107		Crippen Method
mcvol	243.100	ml/mol	McGowan Method
pc	2163.33	kPa	Joback Method
tb	998.62	K	Joback Method
tc	1246.40	K	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C110150566&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