benzaldehyde oxime, 2-hydroxy, 5-(1,1,3,3-tetramethylbutyl)

Inchi: InChI=1S/C15H23NO2/c1-14(2,3)10-15(4,5)12-6-7-13(17)11(8-12)9-16-18/h6-9,17-18H,1

InchiKey: ABJZBILFGMMPGP-UHFFFAOYSA-N

Formula: C15H23NO2

SMILES: CC(C)(C)CC(C)(C)c1ccc(O)c(C=NO)c1

Mol. weight [g/mol]: 249.35

Physical Properties

Property code	Value	Unit	Source
hf	-392.69	kJ/mol	Joback Method
hvap	82.34	kJ/mol	Joback Method
log10ws	-3.07		Crippen Method
logp	3.914		Crippen Method
mcvol	215.870	ml/mol	McGowan Method
pc	2127.56	kPa	Joback Method
rinpol	1995.00		NIST Webbook
rinpol	1995.00		NIST Webbook
tb	817.28	K	Joback Method
tc	1039.88	K	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R256952&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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature