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

Inchi: InChI=1S/C15H22ClNO2/c1-14(2,3)9-15(4,5)11-6-10(8-17-19)13(18)12(16)7-11/h6-8,18-

InchiKey: GKVNHPFPIOVDLX-UHFFFAOYSA-N

Formula: C15H22ClNO2

SMILES: CC(C)(C)CC(C)(C)c1cc(Cl)c(O)c(C=NO)c1

Mol. weight [g/mol]: 283.79

Physical Properties

Property code	Value	Unit	Source
hf	-419.90	kJ/mol	Joback Method
hvap	87.38	kJ/mol	Joback Method
log10ws	-3.75		Crippen Method
logp	4.567		Crippen Method
mcvol	228.110	ml/mol	McGowan Method
pc	2029.06	kPa	Joback Method
rinpol	2105.00		NIST Webbook
rinpol	2105.00		NIST Webbook
tb	859.69	K	Joback Method
tc	1086.16	K	Joback Method

Sources

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

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R256927&Units=SI

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