benzaldehyde oxime, 2-hydroxy, 3-chloro, 5-(t-butyl)

Inchi: InChI=1S/C11H14ClNO2/c1-11(2,3)8-4-7(6-13-15)10(14)9(12)5-8/h4-6,14-15H,1-3H3
InchiKey: DHHCMLJRUBUEKF-UHFFFAOYSA-N
Formula: C11H14ClNO2
SMILES: CC(C)(C)c1cc(Cl)c(O)c(C=NO)c1
Mol. weight [g/mol]: 227.69

Physical Properties

Property code	Value	Unit	Source
hf	-328.59	kJ/mol	Joback Method
hvap	79.78	kJ/mol	Joback Method
log10ws	-2.32		Crippen Method
logp	3.151		Crippen Method
mcvol	171.750	ml/mol	McGowan Method
pc	2906.11	kPa	Joback Method
rinpol	1873.00		NIST Webbook
rinpol	1873.00		NIST Webbook
tb	771.40	K	Joback Method
tc	999.90	K	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R256932&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