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

Inchi: InChI=1S/C15H22N2O4/c1-14(2,3)9-15(4,5)11-6-10(8-16-19)13(18)12(7-11)17(20)21/h6
InchiKey: UAWZWSYAHLOIEX-UHFFFAOYSA-N
Formula: C15H22N2O4
SMILES: CC(C)(C)CC(C)(C)c1cc(C=NO)c(O)c([N+](=O)[O-])c1
Mol. weight [g/mol]: 294.35

Physical Properties

Property code	Value	Unit	Source
hf	-414.92	kJ/mol	Joback Method
hvap	99.59	kJ/mol	Joback Method
log10ws	-3.72		Crippen Method
logp	3.822		Crippen Method
mcvol	233.290	ml/mol	McGowan Method
pc	2121.68	kPa	Joback Method
rinpol	2241.00		NIST Webbook
rinpol	2241.00		NIST Webbook
tb	974.10	K	Joback Method
tc	1216.17	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=R256947&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