

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

Inchi:	InChI=1S/C11H15NO2/c1-11(2,3)9-4-5-10(13)8(6-9)7-12-14/h4-7,13-14H,1-3H3/b12-7+
InchiKey:	JPVAJIHITBSSAM-KPKJPENVSA-N
Formula:	C11H15NO2
SMILES:	CC(C)(C)c1ccc(O)c(C=NO)c1
Mol. weight [g/mol]:	193.24

Physical Properties

Property code	Value	Unit	Source
hf	-301.38	kJ/mol	Joback Method
hvap	74.73	kJ/mol	Joback Method
log10ws	-1.64		Crippen Method
logp	2.498		Crippen Method
mcvol	159.510	ml/mol	McGowan Method
pc	3076.16	kPa	Joback Method
rinpol	1763.00		NIST Webbook
tb	728.99	K	Joback Method
tc	954.01	K	Joback Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307I
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=R257024&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

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