benzaldehyde oxime, 2-hydroxy, 5-dodecyl

Inchi: InChI=1S/C19H31NO2/c1-2-3-4-5-6-7-8-9-10-11-12-17-13-14-19(21)18(15-17)16-20-22/h
InchiKey: UWGTVLYQSJNUFP-CAPFRKAQSA-N
Formula: C19H31NO2
SMILES: CCCCCCCCCCCCc1ccc(O)c(C=NO)c1
Mol. weight [g/mol]: 305.45

Physical Properties

Property code	Value	Unit	Source
hf	-457.75	kJ/mol	Joback Method
hvap	93.83	kJ/mol	Joback Method
log10ws	-5.31		Crippen Method
logp	5.664		Crippen Method
mcvol	272.230	ml/mol	McGowan Method
pc	1490.74	kPa	Joback Method
rinpol	2606.00		NIST Webbook
rinpol	2606.00		NIST Webbook
tb	915.26	K	Joback Method
tc	1124.93	K	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R256972&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