

benzaldehyde oxime, 2-hydroxy, 5-octyl

Inchi:	InChI=1S/C15H23NO2/c1-2-3-4-5-6-7-8-13-9-10-15(17)14(11-13)12-16-18/h9-12,17-18H
InchiKey:	QSWRBFIFTJUYGA-UHFFFAOYSA-N
Formula:	C15H23NO2
SMILES:	CCCCCCCCCc1ccc(O)c(C=NO)c1
Mol. weight [g/mol]:	249.35

Physical Properties

Property code	Value	Unit	Source
hf	-375.19	kJ/mol	Joback Method
hvap	84.93	kJ/mol	Joback Method
log10ws	-3.64		Crippen Method
logp	4.103		Crippen Method
mcvol	215.870	ml/mol	McGowan Method
pc	2054.89	kPa	Joback Method
rinpol	2216.00		NIST Webbook
tb	823.74	K	Joback Method
tc	1030.50	K	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R257019&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
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

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