(1Z)-2-hydroxy-1,2-diphenylethanone oxime

Inchi: InChI=1S/C14H13NO2/c16-14(12-9-5-2-6-10-12)13(15-17)11-7-3-1-4-8-11/h1-10,14,16-1
InchiKey: WAKHLWOJMHVUJC-SQFISAMPSA-N
Formula: C14H13NO2
SMILES: ON=C(c1ccccc1)C(O)c1ccccc1
Mol. weight [g/mol]: 227.26

Physical Properties

Property code	Value	Unit	Source
hf	-96.54	kJ/mol	Joback Method
hvap	87.67	kJ/mol	Joback Method
log10ws	-2.53		Crippen Method
logp	2.599		Crippen Method
mcvol	178.020	ml/mol	McGowan Method
pc	3059.17	kPa	Joback Method
tb	833.56	K	Joback Method
tc	1057.99	K	Joback Method

Sources

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=B6007208&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature