(Z)-N-Hydroxy-1-(4-methylphenyl)propanimine

Inchi: InChI=1S/C11H15NO/c1-3-4-11(12-13)10-7-5-9(2)6-8-10/h5-8,13H,3-4H2,1-2H3
InchiKey: FPLHNGGABOAXNW-UHFFFAOYSA-N
Formula: C11H15NO
SMILES: CCCC(=NO)c1ccc(C)cc1
Mol. weight [g/mol]: 177.24
CAS: 1465781-11-6

Physical Properties

Property code	Value	Unit	Source
hf	-125.11	kJ/mol	Joback Method
hvap	63.09	kJ/mol	Joback Method
log10ws	-2.51		Crippen Method
logp	2.973		Crippen Method
mcvol	153.640	ml/mol	McGowan Method
pc	2587.22	kPa	Joback Method
rinpol	1524.00		NIST Webbook
rinpol	1524.00		NIST Webbook
tb	651.48	K	Joback Method
tc	860.19	K	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C1465781116&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