Cyclopentanone, oxime

Inchi: InChI=1S/C5H9NO/c7-6-5-3-1-2-4-5/h7H,1-4H2
InchiKey: YGNXYFLJZILPEK-UHFFFAOYSA-N
Formula: C5H9NO
SMILES: ON=C1CCCC1
Mol. weight [g/mol]: 99.13
CAS: 1192-28-5

Physical Properties

Property code	Value	Unit	Source
hf	-176.91	kJ/mol	Joback Method
hvap	48.11	kJ/mol	Joback Method
ie	8.92 ± 0.03	eV	NIST Webbook
log10ws	-0.63		Crippen Method
logp	1.391		Crippen Method
mcvol	82.000	ml/mol	McGowan Method
pc	4322.57	kPa	Joback Method
rinpol	972.00		NIST Webbook
rinpol	972.00		NIST Webbook
tb	469.20	K	NIST Webbook
tc	712.57	K	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C1192285&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
ie:	Ionization energy
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