Cyclohexanone, O-methyloxime

Inchi: InChI=1S/C7H13NO/c1-9-8-7-5-3-2-4-6-7/h2-6H2,1H3
InchiKey: LCXYEPLVWLASCI-UHFFFAOYSA-N
Formula: C7H13NO
SMILES: CON=C1CCCCC1
Mol. weight [g/mol]: 127.18
CAS: 13858-85-0

Physical Properties

Property code	Value	Unit	Source
hf	-204.34	kJ/mol	Joback Method
hvap	38.47	kJ/mol	Joback Method
ie	9.01 ± 0.05	eV	NIST Webbook
log10ws	-1.89		Crippen Method
logp	1.953		Crippen Method
mcvol	110.180	ml/mol	McGowan Method
pc	3096.73	kPa	Joback Method
tb	485.36	K	Joback Method
tc	707.62	K	Joback Method

Sources

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
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C13858850&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature