4-Octanone, O-methyloxime

Inchi: InChI=1S/C9H19NO/c1-4-6-8-9(7-5-2)10-11-3/h4-8H2,1-3H3
InchiKey: ZXDDXEJVNPXIEO-UHFFFAOYSA-N
Formula: C9H19NO
SMILES: CCCCC(CCC)=NOC
Mol. weight [g/mol]: 157.25

Physical Properties

Property code	Value	Unit	Source
hf	-288.88	kJ/mol	Joback Method
hvap	41.43	kJ/mol	Joback Method
log10ws	-2.83		Crippen Method
logp	2.979		Crippen Method
mcvol	149.220	ml/mol	McGowan Method
pc	2068.00	kPa	Joback Method
rinpol	1051.00		NIST Webbook
tb	504.30	K	Joback Method
tc	689.20	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=U373051&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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature