Propiophenone, O-methyloxime

Inchi: InChI=1S/C10H13NO/c1-3-10(11-12-2)9-7-5-4-6-8-9/h4-8H,3H2,1-2H3
InchiKey: AFJMSAYQDCXBDP-UHFFFAOYSA-N
Formula: C10H13NO
SMILES: CCC(=NOC)c1ccccc1
Mol. weight [g/mol]: 163.22

Physical Properties

Property code	Value	Unit	Source
hf	-72.99	kJ/mol	Joback Method
hvap	45.93	kJ/mol	Joback Method
log10ws	-2.46		Crippen Method
logp	2.447		Crippen Method
mcvol	139.550	ml/mol	McGowan Method
pc	2592.49	kPa	Joback Method
rinpol	1230.00		NIST Webbook
tb	553.86	K	Joback Method
tc	779.57	K	Joback Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R100606&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

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