3-Pentanone oxime

Inchi: InChI=1S/C5H11NO/c1-3-5(4-2)6-7/h7H,3-4H2,1-2H3
InchiKey: NAQQTJZRCYNBRX-UHFFFAOYSA-N
Formula: C5H11NO
SMILES: CCC(CC)=NO
Mol. weight [g/mol]: 101.15
CAS: 1188-11-0

Physical Properties

Property code	Value	Unit	Source
hf	-226.33	kJ/mol	Joback Method
hvap	46.80	kJ/mol	Joback Method
log10ws	-0.73		Crippen Method
logp	1.637		Crippen Method
mcvol	92.860	ml/mol	McGowan Method
pc	3435.91	kPa	Joback Method
tb	482.54	K	Joback Method
tc	666.81	K	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	55.80	kJ/mol	371.50	NIST Webbook

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=C1188110&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
hvapt:	Enthalpy of vaporization at a given temperature
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