3-Pentanone, 2,4-dimethyl-, oxime

Other names: 2,4-dimethylpentan-3-one oxime
Inchi: InChI=1S/C7H15NO/c1-5(2)7(8-9)6(3)4/h5-6,9H,1-4H3
InchiKey: PULCKIYKBGOTTG-UHFFFAOYSA-N
Formula: C7H15NO
SMILES: CC(C)C(=NO)C(C)C
Mol. weight [g/mol]: 129.20
CAS: 1113-74-2

Physical Properties

Property code	Value	Unit	Source
hf	-278.17	kJ/mol	Joback Method
hvap	50.47	kJ/mol	Joback Method
log10ws	-1.09		Crippen Method
logp	2.129		Crippen Method
mcvol	121.040	ml/mol	McGowan Method
pc	2823.32	kPa	Joback Method
tb	527.42	K	Joback Method
tc	715.36	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=C1113742&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature