Propanal, 2,2-dimethyl-, oxime

Other names: Pivalaldehyde, oxime
2,2-Dimethylpropanal oxime
Inchi: InChI=1S/C5H11NO/c1-5(2,3)4-6-7/h4,7H,1-3H3
InchiKey: OEFVJAZWSLPDEP-UHFFFAOYSA-N
Formula: C5H11NO
SMILES: CC(C)(C)C=NO
Mol. weight [g/mol]: 101.15
CAS: 637-91-2

Physical Properties

Property code	Value	Unit	Source
hf	-225.29	kJ/mol	Joback Method
hvap	45.42	kJ/mol	Joback Method
log10ws	-0.49		Crippen Method
logp	1.492		Crippen Method
mcvol	92.860	ml/mol	McGowan Method
pc	3493.01	kPa	Joback Method
tb	479.43	K	Joback Method
tc	671.69	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=C637912&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