5-Methyl-2-hexanone oxime

Other names:	2-Methyl-5-hexanone oxime
	2-Hexanone, 5-methyl-, oxime
	Methyl isoamyl ketoxime
	USAF AM-7
	5-methylhexan-2-one oxime
Inchi:	InChI=1S/C7H15NO/c1-6(2)4-5-7(3)8-9/h6,9H,4-5H2,1-3H3
InchiKey:	ZVZUNLVAVHYXNI-UHFFFAOYSA-N
Formula:	C7H15NO
SMILES:	CC(CCC(C)C)=NO
Mol. weight [g/mol]:	129.20
CAS:	624-44-2

Physical Properties

Property code	Value	Unit	Source
hf	-272.89	kJ/mol	Joback Method
hvap	50.86	kJ/mol	Joback Method
log10ws	-1.33		Crippen Method
logp	2.273		Crippen Method
mcvol	121.040	ml/mol	McGowan Method
pc	2799.47	kPa	Joback Method
tb	468.70	K	NIST Webbook
tc	712.03	K	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C624442&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature

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