

# 5-Methyl-2-hexanone oxime

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

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C624442&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C624442&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>Joback Method:</b>	<a href="https://en.wikipedia.org/wiki/Joback_method">https://en.wikipedia.org/wiki/Joback_method</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>

# Legend

<b>hf:</b>	Enthalpy of formation at standard conditions
<b>h<sub>vap</sub>:</b>	Enthalpy of vaporization at standard conditions
<b>log<sub>10</sub>ws:</b>	Log <sub>10</sub> of Water solubility in mol/l
<b>log<sub>p</sub>:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature

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