

# 1-Cyclohexene-1-carboxaldehyde, 4-(1-methylethenyl)-, oxime

Other names:	Perillaldehyde, oxime 1-Cyclohexene-1-carboxaldehyde, 4-isopropenyl-, oxime 4-(1-Methylethenyl)-1-cyclohexen-1-carboxyaldehyde oxime 4-isopropenylcyclohex-1-enecarbaldehyde oxime
Inchi:	InChI=1S/C10H15NO/c1-8(2)10-5-3-9(4-6-10)7-11-12/h3,7,10,12H,1,4-6H2,2H3
InchiKey:	XCOJIVIDDFTHGB-UHFFFAOYSA-N
Formula:	C10H15NO
SMILES:	C=C(C)C1CC=C(C=NO)CC1
Mol. weight [g/mol]:	165.23
CAS:	138-91-0

## Physical Properties

Property code	Value	Unit	Source
hf	-103.47	kJ/mol	Joback Method
hvap	58.64	kJ/mol	Joback Method
log10ws	-2.19		Crippen Method
logp	2.749		Crippen Method
mcvol	143.850	ml/mol	McGowan Method
pc	2718.33	kPa	Joback Method
tb	617.31	K	Joback Method
tc	828.74	K	Joback Method

## Sources

NIST Webbook:	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C138910&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C138910&amp;Units=SI</a>
Crippen Method:	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
Crippen Method:	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
Joback Method:	<a href="https://en.wikipedia.org/wiki/Joback_method">https://en.wikipedia.org/wiki/Joback_method</a>
McGowan Method:	<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>hvap:</b>	Enthalpy of vaporization at standard conditions
<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</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

Latest version available from:

<https://www.chemeo.com/cid/85-702-8/1-Cyclohexene-1-carboxaldehyde-4-1-methylethenyl-oxime.pdf>

Generated by Cheméo on 2024-04-09 10:28:08.017949114 +0000 UTC m=+14947736.938526432.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.