

# Cyclopropiophenone oxime

**Inchi:** InChI=1S/C10H11NO/c12-11-10(9-6-7-9)8-4-2-1-3-5-8/h1-5,9,12H,6-7H2/b11-10-  
**InchiKey:** RVNAYDOTXJROPF-KHPPLWFESA-N  
**Formula:** C10H11NO  
**SMILES:** ON=C(c1ccccc1)C1CC1  
**Mol. weight [g/mol]:** 161.20  
**CAS:** 7555-72-8

## Physical Properties

Property code	Value	Unit	Source
hf	-20.20	kJ/mol	Joback Method
hvap	60.12	kJ/mol	Joback Method
log10ws	-1.68		Crippen Method
logp	2.275		Crippen Method
mcvol	128.690	ml/mol	McGowan Method
pc	3360.64	kPa	Joback Method
tb	630.36	K	Joback Method
tc	856.09	K	Joback Method

## Sources

**Joback Method:** [https://en.wikipedia.org/wiki/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=C7555728&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307I>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](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

<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

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