

# (E)-1-Indan-1-ylethanone oxime

**Inchi:** InChI=1S/C11H13NO/c1-8(12-13)10-7-6-9-4-2-3-5-11(9)10/h2-5,10,13H,6-7H2,1H3  
**InchiKey:** YJQDXUJIXDNJOE-UHFFFAOYSA-N  
**Formula:** C11H13NO  
**SMILES:** CC(=NO)C1CCc2ccccc21  
**Mol. weight [g/mol]:** 175.23

## Physical Properties

Property code	Value	Unit	Source
hf	-52.31	kJ/mol	Joback Method
hvap	63.00	kJ/mol	Joback Method
log10ws	-2.17		Crippen Method
logp	2.567		Crippen Method
mcvol	142.780	ml/mol	McGowan Method
pc	2966.57	kPa	Joback Method
rinpol	1726.00		NIST Webbook
rinpol	1726.00		NIST Webbook
tb	658.22	K	Joback Method
tc	880.71	K	Joback Method

## Sources

**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)  
**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=U373314&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

## Legend

**hf:** Enthalpy of formation at standard conditions  
**hvap:** 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>rinpol:</b>	Non-polar retention indices
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature

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