

# 1-Cyclopropanecarboxamide, 2-phenyl-N-octyl-

**Inchi:** InChI=1S/C18H27NO/c1-2-3-4-5-6-10-13-19-18(20)17-14-16(17)15-11-8-7-9-12-15/h7-9,  
**InchiKey:** JXEGSAMPGXCVQA-UHFFFAOYSA-N  
**Formula:** C18H27NO  
**SMILES:** CCCCCCCN=C(O)C1CC1c1cccc1  
**Mol. weight [g/mol]:** 273.41

## Physical Properties

Property code	Value	Unit	Source
hf	-205.66	kJ/mol	Joback Method
hvap	77.62	kJ/mol	Joback Method
log10ws	-5.06		Crippen Method
logp	5.107		Crippen Method
mcvol	241.410	ml/mol	McGowan Method
pc	1567.23	kPa	Joback Method
rinpol	2619.00		NIST Webbook
rinpol	2619.00		NIST Webbook
tb	808.73	K	Joback Method
tc	1012.74	K	Joback Method

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**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=U415242&Units=SI>

## 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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