

# Normephedrone, Ac

**Inchi:** InChI=1S/C12H15NO2/c1-8-4-6-11(7-5-8)12(15)9(2)13-10(3)14/h4-7,9H,1-3H3,(H,13,14)  
**InchiKey:** VVDFFKRWYLPHEF-UHFFFAOYSA-N  
**Formula:** C12H15NO2  
**SMILES:** CC(O)=NC(C)C(=O)c1ccc(C)cc1  
**Mol. weight [g/mol]:** 205.25

## Physical Properties

Property code	Value	Unit	Source
hf	-263.61	kJ/mol	Joback Method
hvap	71.67	kJ/mol	Joback Method
log10ws	-2.96		Crippen Method
logp	2.543		Crippen Method
mcvol	169.300	ml/mol	McGowan Method
pc	2522.65	kPa	Joback Method
rinpol	1875.00		NIST Webbook
rinpol	1875.00		NIST Webbook
tb	727.79	K	Joback Method
tc	943.47	K	Joback Method

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R615900&Units=SI>  
**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>

## 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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