

# 1-Naphthamide, N-allyl-

**Inchi:** InChI=1S/C14H13NO/c1-2-10-15-14(16)13-9-5-7-11-6-3-4-8-12(11)13/h2-9H,1,10H2,(H,  
**InchiKey:** MNDXIAYSFXOWKG-UHFFFAOYSA-N  
**Formula:** C14H13NO  
**SMILES:** C=CCN=C(O)c1cccc2ccccc12  
**Mol. weight [g/mol]:** 211.26

## Physical Properties

Property code	Value	Unit	Source
hf	129.47	kJ/mol	Joback Method
hvap	70.74	kJ/mol	Joback Method
log10ws	-3.85		Crippen Method
logp	3.330		Crippen Method
mcvol	172.150	ml/mol	McGowan Method
pc	2584.59	kPa	Joback Method
rinpol	2125.00		NIST Webbook
rinpol	2125.00		NIST Webbook
tb	735.78	K	Joback Method
tc	961.91	K	Joback Method

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U340224&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>rinpola:</b>	Non-polar retention indices
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature

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