

# L-Norvaline, N-(but-3-yn-1-yloxy carbonyl)-, pentyl ester

**Inchi:** InChI=1S/C15H25NO4/c1-4-7-9-12-19-14(17)13(10-6-3)16-15(18)20-11-8-5-2/h2,13H,4,  
**InchiKey:** YGVYCCZFLVNYQA-CYBMUJFWSA-N  
**Formula:** C15H25NO4  
**SMILES:** C#CCCOC(O)=NC(CCC)C(=O)OCCCCC  
**Mol. weight [g/mol]:** 283.36

## Physical Properties

Property code	Value	Unit	Source
hf	-523.13	kJ/mol	Joback Method
hvap	80.09	kJ/mol	Joback Method
log10ws	-3.44		Crippen Method
logp	2.842		Crippen Method
mcvol	238.470	ml/mol	McGowan Method
pc	1624.60	kPa	Joback Method
rinpola	1906.00		NIST Webbook
rinpola	1906.00		NIST Webbook
tb	799.73	K	Joback Method
tc	991.01	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=U392856&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

Latest version available from:

<https://www.cheméo.com/cid/91-201-7/L-Norvaline-N-but-3-yn-1-yloxycarbonyl-pentyl-ester.pdf>

Generated by Cheméo on 2024-05-04 01:48:57.522621471 +0000 UTC m=+17076586.443198783.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.