

# L-Norvaline, N-octyloxycarbonyl-, butyl ester

**Inchi:** InChI=1S/C18H35NO4/c1-4-7-9-10-11-12-15-23-18(21)19-16(13-6-3)17(20)22-14-8-5-2/  
**InchiKey:** IKUIIWZXXAQLKJ-MRXNPFEDSA-N  
**Formula:** C18H35NO4  
**SMILES:** CCCCCCOC(O)=NC(CCC)C(=O)OCCCC  
**Mol. weight [g/mol]:** 329.47

## Physical Properties

Property code	Value	Unit	Source
hf	-876.95	kJ/mol	Joback Method
hvap	86.91	kJ/mol	Joback Method
log10ws	-4.90		Crippen Method
logp	4.790		Crippen Method
mcvol	289.340	ml/mol	McGowan Method
pc	1175.24	kPa	Joback Method
rinpol	2196.00		NIST Webbook
rinpol	2196.00		NIST Webbook
tb	878.25	K	Joback Method
tc	1075.49	K	Joback Method

## Sources

**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U392844&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307I>  
**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)

## 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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