

# DL-«beta»-Homoleucine, N-dimethylaminomethylene-, butyl ester

**Inchi:** InChI=1S/C14H28N2O2/c1-6-7-8-18-14(17)10-13(9-12(2)3)15-11-16(4)5/h11-13H,6-10H  
**InchiKey:** AXMSKPLPWPENJK-UHFFFAOYSA-N  
**Formula:** C14H28N2O2  
**SMILES:** CCCCOC(=O)CC(CC(C)C)N=CN(C)C  
**Mol. weight [g/mol]:** 256.38

## Physical Properties

Property code	Value	Unit	Source
hf	-437.90	kJ/mol	Joback Method
hvap	60.50	kJ/mol	Joback Method
log10ws	-2.64		Crippen Method
logp	2.724		Crippen Method
mcvol	231.220	ml/mol	McGowan Method
pc	1471.36	kPa	Joback Method
rinpol	1642.00		NIST Webbook
rinpol	1642.00		NIST Webbook
tb	684.25	K	Joback Method
tc	870.19	K	Joback Method

## Sources

**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=U375788&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

## 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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