

# Glycine, 2-cyclohexyl-N-isobutoxycarbonyl-, isobutyl ester

**Inchi:** InChI=1S/C17H31NO4/c1-12(2)10-21-16(19)15(14-8-6-5-7-9-14)18-17(20)22-11-13(3)4/  
**InchiKey:** GAZQZONUKNXMQG-UHFFFAOYSA-N  
**Formula:** C17H31NO4  
**SMILES:** CC(C)COC(=O)C(N=C(O)OCC(C)C)C1CCCCC1  
**Mol. weight [g/mol]:** 313.43

## Physical Properties

Property code	Value	Unit	Source
hf	-812.55	kJ/mol	Joback Method
hvap	84.34	kJ/mol	Joback Method
log10ws	-3.65		Crippen Method
logp	3.721		Crippen Method
mcvol	264.390	ml/mol	McGowan Method
pc	1479.29	kPa	Joback Method
rinpol	2035.00		NIST Webbook
rinpol	2035.00		NIST Webbook
tb	874.04	K	Joback Method
tc	1081.77	K	Joback Method

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U383096&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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