

# Glycine, N-methyl-n-butoxycarbonyl-, undecyl ester

Inchi:	InChI=1S/C19H37NO4/c1-4-6-8-9-10-11-12-13-14-16-23-18(21)17-20(3)19(22)24-15-7-5
InchiKey:	VPLMQHXAPXDZNC-UHFFFAOYSA-N
Formula:	C19H37NO4
SMILES:	CCCCCCCCCCCCOC(=O)CN(C)C(=O)OCCCC
Mol. weight [g/mol]:	343.50

## Physical Properties

Property code	Value	Unit	Source
gf	-247.96	kJ/mol	Joback Method
hf	-857.56	kJ/mol	Joback Method
hfus	53.56	kJ/mol	Joback Method
hvap	78.24	kJ/mol	Joback Method
log10ws	-5.05		Crippen Method
logp	4.929		Crippen Method
mvol	303.430	ml/mol	McGowan Method
pc	1147.54	kPa	Joback Method
rinpol	2175.00		NIST Webbook
rinpol	2175.00		NIST Webbook
tb	799.14	K	Joback Method
tc	981.27	K	Joback Method
tf	480.68	K	Joback Method
vc	1.165	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	951.89	J/mol×K	799.14	Joback Method
cpg	969.89	J/mol×K	829.49	Joback Method
cpg	986.86	J/mol×K	859.85	Joback Method
cpg	1002.84	J/mol×K	890.20	Joback Method
cpg	1017.84	J/mol×K	920.56	Joback Method
cpg	1031.88	J/mol×K	950.91	Joback Method
cpg	1044.99	J/mol×K	981.27	Joback Method

# Sources

<b>Joback Method:</b>	<a href="https://en.wikipedia.org/wiki/Joback_method">https://en.wikipedia.org/wiki/Joback_method</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=U320656&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U320656&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>

# Legend

<b>cpg:</b>	Ideal gas heat capacity
<b>gf:</b>	Standard Gibbs free energy of formation
<b>hf:</b>	Enthalpy of formation at standard conditions
<b>hfus:</b>	Enthalpy of fusion at standard conditions
<b>hvap:</b>	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
<b>tf:</b>	Normal melting (fusion) point
<b>vc:</b>	Critical Volume

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