

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

Inchi:	InChI=1S/C11H21NO4/c1-4-6-8-16-11(14)12(3)9-10(13)15-7-5-2/h4-9H2,1-3H3
InchiKey:	NGLRGGSEGPEBSC-UHFFFAOYSA-N
Formula:	C11H21NO4
SMILES:	CCCCOC(=O)N(C)CC(=O)OCCC
Mol. weight [g/mol]:	231.29

## Physical Properties

Property code	Value	Unit	Source
gf	-315.32	kJ/mol	Joback Method
hf	-692.44	kJ/mol	Joback Method
hfus	32.84	kJ/mol	Joback Method
hvap	60.44	kJ/mol	Joback Method
log10ws	-1.70		Crippen Method
logp	1.808		Crippen Method
mcvol	190.710	ml/mol	McGowan Method
pc	2096.50	kPa	Joback Method
rinpol	1517.00		NIST Webbook
rinpol	1517.00		NIST Webbook
tb	616.10	K	Joback Method
tc	793.24	K	Joback Method
tf	390.52	K	Joback Method
vc	0.718	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	502.57	J/molxK	616.10	Joback Method
cpg	516.91	J/molxK	645.62	Joback Method
cpg	530.61	J/molxK	675.15	Joback Method
cpg	543.66	J/molxK	704.67	Joback Method
cpg	556.07	J/molxK	734.19	Joback Method
cpg	567.86	J/molxK	763.72	Joback Method
cpg	579.01	J/molxK	793.24	Joback Method

# Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=U320646&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U320646&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<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>

# 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>hvp:</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>rinp:</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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