

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

<b>Inchi:</b>	InChI=1S/C22H43NO4/c1-4-6-8-9-10-11-12-13-14-15-16-17-19-26-21(24)20-23(3)22(25)
<b>InchiKey:</b>	AIUNSNBXXHMCOG-UHFFFAOYSA-N
<b>Formula:</b>	C22H43NO4
<b>SMILES:</b>	CCCCCCCCCCCCCOC(=O)CN(C)C(=O)OCCCC
<b>Mol. weight [g/mol]:</b>	385.58

## Physical Properties

Property code	Value	Unit	Source
gf	-222.70	kJ/mol	Joback Method
hf	-919.48	kJ/mol	Joback Method
hfus	61.33	kJ/mol	Joback Method
hvap	84.92	kJ/mol	Joback Method
log10ws	-6.30		Crippen Method
logp	6.099		Crippen Method
mvol	345.700	ml/mol	McGowan Method
pc	952.60	kPa	Joback Method
rinpol	2440.00		NIST Webbook
rinpol	2440.00		NIST Webbook
tb	867.78	K	Joback Method
tc	1062.48	K	Joback Method
tf	514.49	K	Joback Method
vc	1.333	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	1136.15	J/mol×K	867.78	Joback Method
cpg	1155.53	J/mol×K	900.23	Joback Method
cpg	1173.65	J/mol×K	932.68	Joback Method
cpg	1190.55	J/mol×K	965.13	Joback Method
cpg	1206.27	J/mol×K	997.58	Joback Method
cpg	1220.84	J/mol×K	1030.03	Joback Method
cpg	1234.29	J/mol×K	1062.48	Joback Method

# Sources

<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>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=U320658&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U320658&amp;Units=SI</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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