

# Glycine, N-methyl-N-ethoxycarbonyl-, pentadecyl ester

<b>Inchi:</b>	InChI=1S/C21H41NO4/c1-4-6-7-8-9-10-11-12-13-14-15-16-17-18-26-20(23)19-22(3)21(2)
<b>InchiKey:</b>	ZTJRYOUWPDHUMI-UHFFFAOYSA-N
<b>Formula:</b>	C21H41NO4
<b>SMILES:</b>	CCCCCCCCCCCCCOC(=O)CN(C)C(=O)OCC
<b>Mol. weight [g/mol]:</b>	371.55

## Physical Properties

Property code	Value	Unit	Source
gf	-231.12	kJ/mol	Joback Method
hf	-898.84	kJ/mol	Joback Method
hfus	58.74	kJ/mol	Joback Method
hvap	82.69	kJ/mol	Joback Method
log10ws	-5.89		Crippen Method
logp	5.709		Crippen Method
mvol	331.610	ml/mol	McGowan Method
pc	1011.66	kPa	Joback Method
rinpol	2370.00		NIST Webbook
rinpol	2370.00		NIST Webbook
tb	844.90	K	Joback Method
tc	1034.56	K	Joback Method
tf	503.22	K	Joback Method
vc	1.278	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	1074.03	J/molxK	844.90	Joback Method
cpg	1092.91	J/molxK	876.51	Joback Method
cpg	1110.63	J/molxK	908.12	Joback Method
cpg	1127.22	J/molxK	939.73	Joback Method
cpg	1142.70	J/molxK	971.34	Joback Method
cpg	1157.10	J/molxK	1002.95	Joback Method
cpg	1170.46	J/molxK	1034.56	Joback Method

# Sources

<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=U320684&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U320684&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</a>
<b>Crippen Method:</b>	<a href="https://www.cheméo.com/doc/models/crippen_log10ws">https://www.cheméo.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>

# 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>h vap:</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>r in pol:</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

Latest version available from:

<https://www.cheméo.com/cid/96-326-4/Glycine-N-methyl-N-ethoxycarbonyl-pentadecyl-ester.pdf>

Generated by Cheméo on 2024-04-19 00:37:29.281942129 +0000 UTC m=+15776298.202519445.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.