

# L-Norvaline, N-ethoxycarbonyl-, hexadecyl ester

<b>Inchi:</b>	InChI=1S/C24H47NO4/c1-4-7-8-9-10-11-12-13-14-15-16-17-18-19-21-29-23(26)22(20-5
<b>InchiKey:</b>	RDUVCBXLXBYIMA-UHFFFAOYSA-N
<b>Formula:</b>	C24H47NO4
<b>SMILES:</b>	CCCCCCCCCCCCCCCCOC(=O)C(CCC)NC(=O)OCC
<b>Mol. weight [g/mol]:</b>	413.63

## Physical Properties

Property code	Value	Unit	Source
gf	-229.69	kJ/mol	Joback Method
hf	-980.10	kJ/mol	Joback Method
hfus	65.07	kJ/mol	Joback Method
hvap	93.38	kJ/mol	Joback Method
log10ws	-7.87		Crippen Method
logp	6.926		Crippen Method
mcvol	373.880	ml/mol	McGowan Method
pc	860.49	kPa	Joback Method
tb	950.83	K	Joback Method
tc	1168.49	K	Joback Method
tf	542.22	K	Joback Method
vc	1.456	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	1283.65	J/molxK	950.83	Joback Method
cpg	1303.36	J/molxK	987.11	Joback Method
cpg	1321.47	J/molxK	1023.38	Joback Method
cpg	1338.01	J/molxK	1059.66	Joback Method
cpg	1353.04	J/molxK	1095.94	Joback Method
cpg	1366.59	J/molxK	1132.21	Joback Method
cpg	1378.72	J/molxK	1168.49	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=U320711&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U320711&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>
<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>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>mccvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<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.chemeo.com/cid/68-464-2/l-Norvaline-N-ethoxycarbonyl-hexadecyl-ester.pdf>

Generated by Cheméo on 2023-02-06 23:17:56.613157114 +0000 UTC m=+372712.203377641.

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