

# L-Norvaline, N-allyloxycarbonyl-, pentadecyl ester

Inchi:	InChI=1S/C24H45NO4/c1-4-7-8-9-10-11-12-13-14-15-16-17-18-21-28-23(26)22(19-5-2)2
InchiKey:	UAVMTDBRHBFVKE-UHFFFAOYSA-N
Formula:	C24H45NO4
SMILES:	C=CCOC(=O)NC(CCC)C(=O)OCCCCCCCCCCCCCCC
Mol. weight [g/mol]:	411.62

## Physical Properties

Property code	Value	Unit	Source
gf	-141.85	kJ/mol	Joback Method
hf	-854.67	kJ/mol	Joback Method
hfus	63.79	kJ/mol	Joback Method
hvap	92.71	kJ/mol	Joback Method
log10ws	-7.73		Crippen Method
logp	6.702		Crippen Method
mvol	369.580	ml/mol	McGowan Method
pc	882.09	kPa	Joback Method
rinpol	2498.00		NIST Webbook
rinpol	2498.00		NIST Webbook
tb	947.51	K	Joback Method
tc	1163.12	K	Joback Method
tf	540.46	K	Joback Method
vc	1.438	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	1254.05	J/mol×K	947.51	Joback Method
cpg	1273.17	J/mol×K	983.45	Joback Method
cpg	1290.78	J/mol×K	1019.38	Joback Method
cpg	1306.94	J/mol×K	1055.32	Joback Method
cpg	1321.68	J/mol×K	1091.25	Joback Method
cpg	1335.07	J/mol×K	1127.19	Joback Method
cpg	1347.14	J/mol×K	1163.12	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=U320754&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U320754&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>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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