

# DL-Norleucine

<b>Other names:</b>	(. +/-)-Norleucine (RS)-2-aminohexanoic acid 2-Aminohexanoic acid, dl- 2-aminohexanoic acid DL-.alpha.-aminocaproic acid DL-«alpha»-Aminocaproic acid Norleucine Norleucine, DL-
<b>Inchi:</b>	InChI=1S/C6H13NO2/c1-2-3-4-5(7)6(8)9/h5H,2-4,7H2,1H3,(H,8,9)
<b>InchiKey:</b>	LRQKBLKVPFOOQJ-UHFFFAOYSA-N
<b>Formula:</b>	C6H13NO2
<b>SMILES:</b>	CCCCC([NH3+])C(=O)[O-]
<b>Mol. weight [g/mol]:</b>	131.17
<b>CAS:</b>	616-06-8

## Physical Properties

Property code	Value	Unit	Source
chs	-3579.80 ± 1.30	kJ/mol	NIST Webbook
log10ws	-0.71		Crippen Method
logp	-1.463		Crippen Method
mcpvol	112.820	ml/mol	McGowan Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	115.00 ± 0.40	kJ/mol	455.00	NIST Webbook
hsubt	114.50 ± 0.40	kJ/mol	452.00	NIST Webbook

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)

**Surface Tension of Glycine, Alanine, Aminobutyric Acid, Norvaline, and Nipecotic Acid in Aqueous Solution at Infinite Dilution and Binary Diffusion Coefficients of Several Amino Acids** <https://www.doi.org/10.1021/acs.jced.7b00433>

**McGowan Method (Temperature Range from (293.2 to 333.2) K with the Taylor Dispersion Technique:** <https://www.doi.org/10.1021/je060149b>

<http://link.springer.com/article/10.1007/BF02311772>

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C616068&Units=SI>

## Legend

**chs:** Standard solid enthalpy of combustion

**hsubt:** Enthalpy of sublimation at a given temperature

**log10ws:** Log10 of Water solubility in mol/l

**logp:** Octanol/Water partition coefficient

**mcvol:** McGowan's characteristic volume

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