

# N-(N-L-leucylglycyl)glycine

<b>Other names:</b>	Leucylglycylglycine
<b>Inchi:</b>	InChI=1S/C10H19N3O4/c1-6(2)3-7(11)10(17)13-4-8(14)12-5-9(15)16/h6-7H,3-5,11H2,1-
<b>InchiKey:</b>	VWHGTYCRDRBSFI-SSDOTTSWSA-N
<b>Formula:</b>	C10H19N3O4
<b>SMILES:</b>	CC(C)CC(N)C(=O)NCC(=O)NCC(=O)O
<b>Mol. weight [g/mol]:</b>	245.28
<b>CAS:</b>	1187-50-4

## Physical Properties

Property code	Value	Unit	Source
basg	926.70	kJ/mol	NIST Webbook
chs	-7687.40	kJ/mol	NIST Webbook
gf	-249.91	kJ/mol	Joback Method
hf	-609.53	kJ/mol	Joback Method
hfus	38.89	kJ/mol	Joback Method
hvap	97.51	kJ/mol	Joback Method
log10ws	-0.34		Crippen Method
logp	-1.323		Crippen Method
mcvol	192.280	ml/mol	McGowan Method
pc	3093.29	kPa	Joback Method
tb	853.98	K	Joback Method
tc	1056.80	K	Joback Method
tf	571.65	K	Joback Method
vc	0.720	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	594.64	J/molxK	853.98	Joback Method
cpg	604.41	J/molxK	887.78	Joback Method
cpg	613.46	J/molxK	921.59	Joback Method
cpg	621.80	J/molxK	955.39	Joback Method
cpg	629.48	J/molxK	989.19	Joback Method
cpg	636.51	J/molxK	1022.99	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=C1187504&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C1187504&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>basg:</b>	Gas basicity
<b>chs:</b>	Standard solid enthalpy of combustion
<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>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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