N-(N-Glycylglycyl)glycine

Other names:	Diglycylglycine
	Glycine, N-(N-glycylglycyl)-
	Glycylglycylglycine
	Triglycine
Inchi:	InChI=1S/C6H11N3O4/c7-1-4(10)8-2-5(11)9-3-6(12)13/h1-3,7H2,(H,8,10)(H,9,11)(H,12,
InchiKey:	XKUKSGPZAADMRA-UHFFFAOYSA-N
Formula:	C6H11N3O4
SMILES:	NCC(O)=NCC(O)=NCC(=O)O
Mol. weight [g/mol]:	189.17
CAS:	556-33-2

Physical Properties

Property code	Value	Unit	Source
hf	-557.79	kJ/mol	Joback Method
hvap	103.16	kJ/mol	Joback Method
log10ws	1.17		Crippen Method
logp	-1.057		Crippen Method
mcvol	135.920	ml/mol	McGowan Method
рс	3916.03	kPa	Joback Method
tb	892.74	К	Joback Method
tc	1098.97	К	Joback Method

Sources

Crippen Method:

McGowan Method:

Joback Method:

Interactions of some amino acids and And the second s

http://pubs.acs.org/doi/abs/10.1021/ci990307I http://link.springer.com/article/10.1007/BF02311772 https://en.wikipedia.org/wiki/Joback_method https://www.doi.org/10.1016/j.jct.2003.09.010 https://www.doi.org/10.1016/j.tca.2010.11.013 https://www.doi.org/10.1016/j.tca.2010.05.016 https://www.doi.org/10.1021/je900849b

Solubilities of Glycine and Its Oligopeptides in Aqueous Solutions: NIST Webbook:

Crippen Method:

N-oxide and betaine on the PROSIDER OF OF UPON WRALEWARS IONIC and triglycine with polyethylene glycol top racin soil a and tetradecyltrimethylammonium bromide: Legend

https://www.doi.org/10.1021/je0600754

http://webbook.nist.gov/cgi/cbook.cgi?ID=C556332&Units=SI

https://www.chemeo.com/doc/models/crippen_log10ws

Counteracting effects of trimethylamine https://www.doi.org/10.1016/j.tca.2009.02.017

https://www.doi.org/10.1016/j.jct.2006.11.014

hf:	Enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
рс:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature

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