

# Glycine, N-(1-oxopropyl)-, methyl ester

<b>Other names:</b>	Propionylglycine, methyl ester N-Propionylglycine methyl ester
<b>Inchi:</b>	InChI=1S/C6H11NO3/c1-3-5(8)7-4-6(9)10-2/h3-4H2,1-2H3,(H,7,8)
<b>InchiKey:</b>	QZXTYJDHWPMJLY-UHFFFAOYSA-N
<b>Formula:</b>	C6H11NO3
<b>SMILES:</b>	CCC(O)=NCC(=O)OC
<b>Mol. weight [g/mol]:</b>	145.16
<b>CAS:</b>	4396-63-8

## Physical Properties

Property code	Value	Unit	Source
hf	-491.77	kJ/mol	Joback Method
hvap	58.18	kJ/mol	Joback Method
log10ws	-0.18		Crippen Method
logp	0.526		Crippen Method
mcvol	114.390	ml/mol	McGowan Method
pc	3243.03	kPa	Joback Method
tb	581.71	K	Joback Method
tc	771.39	K	Joback Method

## Sources

<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=C4396638&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C4396638&amp;Units=SI</a>
<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>

## Legend

hf: Enthalpy of formation at standard conditions

<b>h<sub>vap</sub>:</b>	Enthalpy of vaporization at standard conditions
<b>log<sub>10</sub>w<sub>s</sub>:</b>	Log10 of Water solubility in mol/l
<b>log<sub>p</sub>:</b>	Octanol/Water partition coefficient
<b>mc<sub>vol</sub>:</b>	McGowan's characteristic volume
<b>p<sub>c</sub>:</b>	Critical Pressure
<b>t<sub>b</sub>:</b>	Normal Boiling Point Temperature
<b>t<sub>c</sub>:</b>	Critical Temperature

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