

# Glycine, N-methyl-N-allyloxycarbonyl-, allyl ester

Inchi:	InChI=1S/C10H15NO4/c1-4-6-15-10(13)7-11(3)9(12)8-14-5-2/h4-5H,1-2,6-8H2,3H3
InchiKey:	OTIIEPAUQUOXAD-UHFFFAOYSA-N
Formula:	C10H15NO4
SMILES:	C=CCOC(=O)CN(C)C(=O)COC=C
Mol. weight [g/mol]:	213.23

## Physical Properties

Property code	Value	Unit	Source
gf	-148.06	kJ/mol	Joback Method
hf	-420.94	kJ/mol	Joback Method
hfus	27.69	kJ/mol	Joback Method
hvap	56.87	kJ/mol	Joback Method
log10ws	-0.51		Crippen Method
logp	0.334		Crippen Method
mcvol	168.020	ml/mol	McGowan Method
pc	2490.03	kPa	Joback Method
rinpol	1456.00		NIST Webbook
tb	586.58	K	Joback Method
tc	771.07	K	Joback Method
tf	375.73	K	Joback Method
vc	0.624	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	410.88	J/mol×K	586.58	Joback Method
cpg	423.41	J/mol×K	617.33	Joback Method
cpg	435.33	J/mol×K	648.08	Joback Method
cpg	446.65	J/mol×K	678.83	Joback Method
cpg	457.38	J/mol×K	709.58	Joback Method
cpg	467.53	J/mol×K	740.32	Joback Method
cpg	477.11	J/mol×K	771.07	Joback Method

# Sources

<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=U320601&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U320601&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>

# 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>hvac:</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>mccol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>rinpol:</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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