

# O-(Carboxymethyl)hydroxylamine, N-dimethylaminomethylene-, methyl ester

**Inchi:** InChI=1S/C6H12N2O3/c1-8(2)5-7-11-4-6(9)10-3/h5H,4H2,1-3H3  
**InchiKey:** AXCVIMFFRCDUGI-UHFFFAOYSA-N  
**Formula:** C6H12N2O3  
**SMILES:** COC(=O)CON=CN(C)C  
**Mol. weight [g/mol]:** 160.17

## Physical Properties

Property code	Value	Unit	Source
hf	-394.44	kJ/mol	Joback Method
hvap	45.87	kJ/mol	Joback Method
log10ws	0.50		Crippen Method
logp	-0.319		Crippen Method
mcvol	124.370	ml/mol	McGowan Method
pc	2853.57	kPa	Joback Method
rinpol	1225.00		NIST Webbook
rinpol	1225.00		NIST Webbook
tb	524.51	K	Joback Method
tc	718.37	K	Joback Method

## Sources

**Joback Method:** [https://en.wikipedia.org/wiki/Joback\\_method](https://en.wikipedia.org/wiki/Joback_method)  
**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U375783&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307I>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)

## Legend

**hf:** Enthalpy of formation at standard conditions  
**hvap:** 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>rinpol:</b>	Non-polar retention indices
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature

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