

# Ethylamine, 2-(2-methoxyethoxy)-

<b>Other names:</b>	Ethanamine, 2-(2-methoxyethoxy)-
<b>Inchi:</b>	InChI=1S/C5H13NO2/c1-7-4-5-8-3-2-6/h2-6H2,1H3
<b>InchiKey:</b>	QWCGXANSAXRFE-UHFFFAOYSA-N
<b>Formula:</b>	C5H13NO2
<b>SMILES:</b>	COCCOCCN
<b>Mol. weight [g/mol]:</b>	119.16
<b>CAS:</b>	31576-51-9

## Physical Properties

Property code	Value	Unit	Source
gf	-152.33	kJ/mol	Joback Method
hf	-377.18	kJ/mol	Joback Method
hfus	16.28	kJ/mol	Joback Method
hvap	42.19	kJ/mol	Joback Method
log10ws	0.48		Crippen Method
logp	-0.392		Crippen Method
mcvol	103.030	ml/mol	McGowan Method
pc	3564.27	kPa	Joback Method
tb	431.17	K	Joback Method
tc	611.89	K	Joback Method
tf	273.83	K	Joback Method
vc	0.381	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	217.51	J/molxK	431.17	Joback Method
cpg	227.21	J/molxK	461.29	Joback Method
cpg	236.66	J/molxK	491.41	Joback Method
cpg	245.85	J/molxK	521.53	Joback Method
cpg	254.77	J/molxK	551.65	Joback Method
cpg	263.41	J/molxK	581.77	Joback Method
cpg	271.77	J/molxK	611.89	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=C31576519&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C31576519&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</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>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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