

# 2-Ethoxyethyl,diethylamine

<b>Other names:</b>	«beta»-ethoxyethyl,diethylamine
<b>Inchi:</b>	InChI=1S/C8H19NO/c1-4-9(5-2)7-8-10-6-3/h4-8H2,1-3H3
<b>InchiKey:</b>	IYFPJGYLQRTWNR-UHFFFAOYSA-N
<b>Formula:</b>	C8H19NO
<b>SMILES:</b>	CCOCCN(CC)CC
<b>Mol. weight [g/mol]:</b>	145.24
<b>CAS:</b>	28343-47-7

## Physical Properties

Property code	Value	Unit	Source
gf	22.26	kJ/mol	Joback Method
hf	-273.14	kJ/mol	Joback Method
hfus	20.68	kJ/mol	Joback Method
hvap	37.86	kJ/mol	Joback Method
log10ws	-0.83		Crippen Method
logp	1.365		Crippen Method
mcvol	139.430	ml/mol	McGowan Method
pc	2487.55	kPa	Joback Method
tb	417.30	K	Joback Method
tc	580.02	K	Joback Method
tf	234.62	K	Joback Method
vc	0.519	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	287.43	J/mol×K	417.30	Joback Method
cpg	301.15	J/mol×K	444.42	Joback Method
cpg	314.39	J/mol×K	471.54	Joback Method
cpg	327.16	J/mol×K	498.66	Joback Method
cpg	339.47	J/mol×K	525.78	Joback Method
cpg	351.33	J/mol×K	552.90	Joback Method
cpg	362.74	J/mol×K	580.02	Joback Method

# Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C28343477&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C28343477&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.cheméo.com/doc/models/crippen_log10ws">https://www.cheméo.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>

# 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>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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