

# Ethyl 2-(ethyl(m-tolyl)amino)ethyl carbonate

<b>Inchi:</b>	InChI=1S/C14H21NO3/c1-4-15(9-10-18-14(16)17-5-2)13-8-6-7-12(3)11-13/h6-8,11H,4-5
<b>InchiKey:</b>	HJFUUMRKEQYHTJ-UHFFFAOYSA-N
<b>Formula:</b>	C14H21NO3
<b>SMILES:</b>	CCOC(=O)OCCN(CC)c1cccc(C)c1
<b>Mol. weight [g/mol]:</b>	251.32

## Physical Properties

Property code	Value	Unit	Source
gf	-58.36	kJ/mol	Joback Method
hf	-416.72	kJ/mol	Joback Method
hfus	32.66	kJ/mol	Joback Method
hvap	63.31	kJ/mol	Joback Method
log10ws	-2.88		Crippen Method
logp	2.994		Crippen Method
mcvol	207.650	ml/mol	McGowan Method
pc	2030.89	kPa	Joback Method
rinqol	1833.00		NIST Webbook
tb	662.53	K	Joback Method
tc	859.64	K	Joback Method
tf	413.34	K	Joback Method
vc	0.771	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	559.89	J/molxK	662.53	Joback Method
cpg	575.96	J/molxK	695.38	Joback Method
cpg	591.13	J/molxK	728.23	Joback Method
cpg	605.41	J/molxK	761.08	Joback Method
cpg	618.82	J/molxK	793.93	Joback Method
cpg	631.37	J/molxK	826.78	Joback Method
cpg	643.09	J/molxK	859.64	Joback Method

# Sources

<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>
<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=U373775&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U373775&amp;Units=SI</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>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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