

# N-(o-Tolyl)ethanolamine

<b>Other names:</b>	Ethanol, 2-[(2-methylphenyl)amino]- o-Toluidino ethanol o-Tolyl ethanolamine Ethanol, 2-o-toluidino- Ethanol, 2-toluidino- N-(2-Hydroxyethyl)-o-toluidine 2-(o-Toluidino)ethanol 2-o-Tolylaminoethanol Emery 5711 N-«beta»-Hydroxyethyl-o-toluidine NSC 2152
<b>Inchi:</b>	InChI=1S/C9H13NO/c1-8-4-2-3-5-9(8)10-6-7-11/h2-5,10-11H,6-7H2,1H3
<b>InchiKey:</b>	DHZZPKMVSTYLF-UHFFFAOYSA-N
<b>Formula:</b>	C9H13NO
<b>SMILES:</b>	Cc1ccccc1NCCO
<b>Mol. weight [g/mol]:</b>	151.21
<b>CAS:</b>	136-80-1

## Physical Properties

Property code	Value	Unit	Source
gf	80.25	kJ/mol	Joback Method
hf	-102.79	kJ/mol	Joback Method
hfus	21.91	kJ/mol	Joback Method
hvap	61.68	kJ/mol	Joback Method
log10ws	-1.64		Crippen Method
logp	1.399		Crippen Method
mcvol	129.760	ml/mol	McGowan Method
pc	3624.61	kPa	Joback Method
tb	579.33	K	Joback Method
tc	776.31	K	Joback Method
tf	343.61	K	Joback Method
vc	0.485	m3/kmol	Joback Method

# Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	312.28	J/mol×K	579.33	Joback Method
cpg	323.72	J/mol×K	612.16	Joback Method
cpg	334.53	J/mol×K	644.99	Joback Method
cpg	344.73	J/mol×K	677.82	Joback Method
cpg	354.34	J/mol×K	710.65	Joback Method
cpg	363.40	J/mol×K	743.48	Joback Method
cpg	371.92	J/mol×K	776.31	Joback Method

# Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	440.50 ± 2.50	K	2.00	NIST Webbook

## Sources

<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.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=C136801&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C136801&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>tb:</b>	Normal Boiling Point Temperature
<b>tbrp:</b>	Boiling point at reduced pressure
<b>tc:</b>	Critical Temperature
<b>tf:</b>	Normal melting (fusion) point
<b>vc:</b>	Critical Volume

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