

# tris[2-(2-methoxyethoxy)ethyl]amine

<b>Inchi:</b>	InChI=1S/C15H33NO6/c1-17-10-13-20-7-4-16(5-8-21-14-11-18-2)6-9-22-15-12-19-3/h4-
<b>InchiKey:</b>	XGLVDUUYFKXKPL-UHFFFAOYSA-N
<b>Formula:</b>	C15H33NO6
<b>SMILES:</b>	COCCOCCN(CCOCCOC)CCOCCOC
<b>Mol. weight [g/mol]:</b>	323.43
<b>CAS:</b>	70384-51-9

## Physical Properties

Property code	Value	Unit	Source
gf	-443.80	kJ/mol	Joback Method
hf	-1078.72	kJ/mol	Joback Method
hfus	44.76	kJ/mol	Joback Method
hvap	65.49	kJ/mol	Joback Method
log10ws	0.80		Crippen Method
logp	0.277		Crippen Method
mcvol	267.410	ml/mol	McGowan Method
pc	1310.85	kPa	Joback Method
tb	689.56	K	Joback Method
tc	853.79	K	Joback Method
tf	424.66	K	Joback Method
vc	1.002	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	786.56	J/molxK	689.56	Joback Method
cpg	804.45	J/molxK	716.93	Joback Method
cpg	821.58	J/molxK	744.30	Joback Method
cpg	837.94	J/molxK	771.67	Joback Method
cpg	853.51	J/molxK	799.05	Joback Method
cpg	868.28	J/molxK	826.42	Joback Method
cpg	882.22	J/molxK	853.79	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=C70384519&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C70384519&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>

# 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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