

# 2-(2-nonyloxy-ethoxy)-ethanol, TFA

<b>Inchi:</b>	InChI=1S/C15H27F3O4/c1-2-3-4-5-6-7-8-9-20-10-11-21-12-13-22-14(19)15(16,17)18/h2
<b>InchiKey:</b>	VWNSWHYYYVKPJSN-UHFFFAOYSA-N
<b>Formula:</b>	C15H27F3O4
<b>SMILES:</b>	CCCCCCCCCOCCOCCOC(=O)C(F)(F)F
<b>Mol. weight [g/mol]:</b>	328.37

## Physical Properties

Property code	Value	Unit	Source
gf	-950.09	kJ/mol	Joback Method
hf	-1459.25	kJ/mol	Joback Method
hfus	41.59	kJ/mol	Joback Method
hvap	59.21	kJ/mol	Joback Method
log10ws	-3.80		Crippen Method
logp	3.876		Crippen Method
mvol	246.700	ml/mol	McGowan Method
pc	1310.85	kPa	Joback Method
rinpol	1707.10		NIST Webbook
rinpol	1707.10		NIST Webbook
tb	658.31	K	Joback Method
tc	818.80	K	Joback Method
tf	379.62	K	Joback Method
vc	0.979	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	707.27	J/mol×K	658.31	Joback Method
cpg	723.20	J/mol×K	685.06	Joback Method
cpg	738.42	J/mol×K	711.81	Joback Method
cpg	752.96	J/mol×K	738.56	Joback Method
cpg	766.80	J/mol×K	765.30	Joback Method
cpg	779.97	J/mol×K	792.05	Joback Method
cpg	792.48	J/mol×K	818.80	Joback Method

# Sources

<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=R184426&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R184426&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>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</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>rinpola:</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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