

# coniferyl ethyl ether

<b>Inchi:</b>	InChI=1S/C12H16O3/c1-3-15-8-4-5-10-6-7-11(13)12(9-10)14-2/h4-7,9,13H,3,8H2,1-2H3
<b>InchiKey:</b>	FXTHXNMWVSIYKM-SNAWJCMRSA-N
<b>Formula:</b>	C12H16O3
<b>SMILES:</b>	CCOCC=Cc1ccc(O)c(OC)c1
<b>Mol. weight [g/mol]:</b>	208.25

## Physical Properties

Property code	Value	Unit	Source
gf	-131.46	kJ/mol	Joback Method
hf	-390.48	kJ/mol	Joback Method
hfus	28.85	kJ/mol	Joback Method
hvap	63.04	kJ/mol	Joback Method
log10ws	-2.31		Crippen Method
logp	2.450		Crippen Method
mcvol	169.490	ml/mol	McGowan Method
pc	2808.38	kPa	Joback Method
rinpol	1730.00		NIST Webbook
rinpol	1730.00		NIST Webbook
tb	635.24	K	Joback Method
tc	851.23	K	Joback Method
tf	415.04	K	Joback Method
vc	0.582	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	434.61	J/molxK	635.24	Joback Method
cpg	448.45	J/molxK	671.24	Joback Method
cpg	461.50	J/molxK	707.24	Joback Method
cpg	473.83	J/molxK	743.23	Joback Method
cpg	485.48	J/molxK	779.23	Joback Method
cpg	496.53	J/molxK	815.23	Joback Method
cpg	507.02	J/molxK	851.23	Joback Method
dvisc	0.0004874	Paxs	415.04	Joback Method

dvisc	0.0002161	Paxs	451.74	Joback Method
dvisc	0.0001082	Paxs	488.44	Joback Method
dvisc	0.0000597	Paxs	525.14	Joback Method
dvisc	0.0000356	Paxs	561.84	Joback Method
dvisc	0.0000226	Paxs	598.54	Joback Method
dvisc	0.0000152	Paxs	635.24	Joback Method

## 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=R421062&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R421062&amp;Units=SI</a>

## Legend

<b>cpg:</b>	Ideal gas heat capacity
<b>dvisc:</b>	Dynamic viscosity
<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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