

# 7,9-dodecadien-1-ol, acetate

<b>Inchi:</b>	InChI=1S/C14H24O2/c1-3-4-5-6-7-8-9-10-11-12-13-16-14(2)15/h4-7H,3,8-13H2,1-2H3/b
<b>InchiKey:</b>	LLRZUAWETKPZJO-YTXXJHMSA-N
<b>Formula:</b>	C14H24O2
<b>SMILES:</b>	CCC=CC=CCCCCCCOC(C)=O
<b>Mol. weight [g/mol]:</b>	224.34

## Physical Properties

Property code	Value	Unit	Source
gf	-6.48	kJ/mol	Joback Method
hf	-342.65	kJ/mol	Joback Method
hfus	35.21	kJ/mol	Joback Method
hvap	55.83	kJ/mol	Joback Method
log10ws	-4.25		Crippen Method
logp	4.022		Crippen Method
mvol	206.960	ml/mol	McGowan Method
pc	1718.88	kPa	Joback Method
rinpol	1602.00		NIST Webbook
tb	604.33	K	Joback Method
tc	784.52	K	Joback Method
tf	309.54	K	Joback Method
vc	0.803	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	527.63	J/molxK	604.33	Joback Method
cpg	600.86	J/molxK	754.48	Joback Method
cpg	587.61	J/molxK	724.45	Joback Method
cpg	573.70	J/molxK	694.42	Joback Method
cpg	559.08	J/molxK	664.39	Joback Method
cpg	543.73	J/molxK	634.36	Joback Method
cpg	613.47	J/molxK	784.52	Joback Method
dvisc	0.0001119	Paxs	604.33	Joback Method
dvisc	0.0001489	Paxs	555.20	Joback Method

dvisc	0.0002093	Paxs	506.07	Joback Method
dvisc	0.0003167	Paxs	456.94	Joback Method
dvisc	0.0005296	Paxs	407.80	Joback Method
dvisc	0.0010193	Paxs	358.67	Joback Method
dvisc	0.0024152	Paxs	309.54	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=R308568&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R308568&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>

## 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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