

# (4E,6E)-4,6-hexadecadienyl acetate

<b>Inchi:</b>	InChI=1S/C18H32O2/c1-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-20-18(2)19/h11-14H,3-
<b>InchiKey:</b>	HCQKUIBZXJOAOA-LDHFCIDVSA-N
<b>Formula:</b>	C18H32O2
<b>SMILES:</b>	CCCCCCCCC=CC=CCCCOC(C)=O
<b>Mol. weight [g/mol]:</b>	280.45

## Physical Properties

Property code	Value	Unit	Source
gf	27.20	kJ/mol	Joback Method
hf	-425.21	kJ/mol	Joback Method
hfus	45.57	kJ/mol	Joback Method
hvap	64.73	kJ/mol	Joback Method
log10ws	-5.93		Crippen Method
logp	5.583		Crippen Method
mvol	263.320	ml/mol	McGowan Method
pc	1279.16	kPa	Joback Method
rinpol	2066.00		NIST Webbook
tb	695.85	K	Joback Method
tc	872.86	K	Joback Method
tf	354.62	K	Joback Method
vc	1.028	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	745.84	J/molxK	695.85	Joback Method
cpg	827.07	J/molxK	843.36	Joback Method
cpg	812.37	J/molxK	813.86	Joback Method
cpg	796.93	J/molxK	784.36	Joback Method
cpg	780.72	J/molxK	754.85	Joback Method
cpg	763.70	J/molxK	725.35	Joback Method
cpg	841.08	J/molxK	872.86	Joback Method
dvisc	0.0000709	Paxs	695.85	Joback Method
dvisc	0.0000955	Paxs	638.98	Joback Method

dvisc	0.0001363	Paxs	582.11	Joback Method
dvisc	0.0002101	Paxs	525.24	Joback Method
dvisc	0.0003597	Paxs	468.36	Joback Method
dvisc	0.0007146	Paxs	411.49	Joback Method
dvisc	0.0017692	Paxs	354.62	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=R506346&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R506346&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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