

# (Z)-3-Nonen-1-yl acetate

<b>Other names:</b>	(Z)-3-nonenyl acetate
<b>Inchi:</b>	InChI=1S/C11H20O2/c1-3-4-5-6-7-8-9-10-13-11(2)12/h7-8H,3-6,9-10H2,1-2H3/b8-7-
<b>InchiKey:</b>	LRQNQAVSERJKNU-FPLPWBNLSA-N
<b>Formula:</b>	C11H20O2
<b>SMILES:</b>	CCCCC=CCCOC(C)=O
<b>Mol. weight [g/mol]:</b>	184.28

## Physical Properties

Property code	Value	Unit	Source
gf	-111.96	kJ/mol	Joback Method
hf	-397.95	kJ/mol	Joback Method
hfus	27.24	kJ/mol	Joback Method
hvap	49.19	kJ/mol	Joback Method
log10ws	-3.14		Crippen Method
logp	3.076		Crippen Method
mcvol	168.990	ml/mol	McGowan Method
pc	2111.94	kPa	Joback Method
ripol	1590.00		NIST Webbook
ripol	1610.00		NIST Webbook
ripol	1610.00		NIST Webbook
ripol	1590.00		NIST Webbook
tb	531.53	K	Joback Method
tc	709.61	K	Joback Method
tf	280.81	K	Joback Method
vc	0.655	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	397.35	J/molxK	531.53	Joback Method
cpg	464.33	J/molxK	679.93	Joback Method
cpg	452.12	J/molxK	650.25	Joback Method
cpg	439.33	J/molxK	620.57	Joback Method
cpg	425.95	J/molxK	590.89	Joback Method

cpg	411.96	J/molxK	561.21	Joback Method
cpg	475.98	J/molxK	709.61	Joback Method
dvisc	0.0001740	Paxs	531.53	Joback Method
dvisc	0.0002282	Paxs	489.74	Joback Method
dvisc	0.0003149	Paxs	447.96	Joback Method
dvisc	0.0004643	Paxs	406.17	Joback Method
dvisc	0.0007484	Paxs	364.38	Joback Method
dvisc	0.0013650	Paxs	322.60	Joback Method
dvisc	0.0029775	Paxs	280.81	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=R308048&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R308048&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>ripol:</b>	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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