

# 31-Nor-9(11)-lanostenol acetate

**Inchi:** InChI=1S/C31H52O2/c1-9-10-11-12-21(2)23-15-19-31(8)25-13-14-26-28(4,5)27(33-22(3))  
**InchiKey:** IMUXJQPSVOGFLZ-MWDIYCQFSA-N  
**Formula:** C31H52O2  
**SMILES:** CCCCC(C)C1CCC2(C)C3CCC4C(C)(CCC(OC(C)=O)C4(C)C)C3=CCC12C  
**Mol. weight [g/mol]:** 456.74

## Physical Properties

Property code	Value	Unit	Source
gf	123.81	kJ/mol	Joback Method
hf	-646.94	kJ/mol	Joback Method
hfus	37.27	kJ/mol	Joback Method
hvap	88.99	kJ/mol	Joback Method
log10ws	-9.27		Crippen Method
logp	8.740		Crippen Method
mvol	407.350	ml/mol	McGowan Method
pc	851.97	kPa	Joback Method
rinpol	3275.00		NIST Webbook
rinpol	3275.00		NIST Webbook
tb	1019.26	K	Joback Method
tc	1254.31	K	Joback Method
tf	642.37	K	Joback Method
vc	1.552	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	1598.35	J/molxK	1019.26	Joback Method
cpg	1645.55	J/molxK	1058.43	Joback Method
cpg	1696.03	J/molxK	1097.61	Joback Method
cpg	1750.35	J/molxK	1136.78	Joback Method
cpg	1809.09	J/molxK	1175.96	Joback Method
cpg	1872.84	J/molxK	1215.13	Joback Method
cpg	1942.16	J/molxK	1254.31	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=R110648&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R110648&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</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

Latest version available from:

<https://www.chemeo.com/cid/31-827-9/31-Nor-9-11-lanostenol-acetate.pdf>

Generated by Cheméo on 2024-04-25 09:13:43.659470034 +0000 UTC m=+16325672.580047355.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.