

# 24-Methylene-31-nor-9(11)-lanostenol acetate

<b>Inchi:</b>	InChI=1S/C32H52O2/c1-10-21(2)11-12-22(3)24-15-19-32(9)26-13-14-27-29(5,6)28(34-2
<b>InchiKey:</b>	ZMLGKPRAMBXFCJ-BDULDEHOSA-N
<b>Formula:</b>	C32H52O2
<b>SMILES:</b>	C=C(CC)CCC(C)C1CCC2(C)C3CCC4C(C)(CCC(OC(C)=O)C4(C)C)C3=CCC12C
<b>Mol. weight [g/mol]:</b>	468.75

## Physical Properties

Property code	Value	Unit	Source
gf	211.52	kJ/mol	Joback Method
hf	-551.94	kJ/mol	Joback Method
hfus	37.27	kJ/mol	Joback Method
hvap	90.63	kJ/mol	Joback Method
log10ws	-9.54		Crippen Method
logp	8.906		Crippen Method
mcvol	417.140	ml/mol	McGowan Method
pc	828.11	kPa	Joback Method
rinsol	3364.00		NIST Webbook
tb	1038.70	K	Joback Method
tc	1277.42	K	Joback Method
tf	637.92	K	Joback Method
vc	1.589	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	1644.58	J/mol×K	1038.70	Joback Method
cpg	1694.56	J/mol×K	1078.49	Joback Method
cpg	1748.28	J/mol×K	1118.27	Joback Method
cpg	1806.37	J/mol×K	1158.06	Joback Method
cpg	1869.42	J/mol×K	1197.85	Joback Method
cpg	1938.07	J/mol×K	1237.64	Joback Method
cpg	2012.93	J/mol×K	1277.42	Joback Method

# Sources

<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=R110519&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R110519&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>
<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>

# 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>h vap:</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>m cvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>r inpol:</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/33-647-7/24-Methylene-31-nor-9-11-lanostenol-acetate.pdf>

Generated by Cheméo on 2024-04-20 03:26:14.313660218 +0000 UTC m=+15872823.234237533.

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