

# 24-Ethyl-31-nor-8-lanostenol acetate

<b>Inchi:</b>	InChI=1S/C33H56O2/c1-10-24(11-2)13-12-22(3)25-16-20-33(9)27-14-15-28-30(5,6)29(3)
<b>InchiKey:</b>	DRCQEZRGSQKPFW-XPPNMVHISA-N
<b>Formula:</b>	C33H56O2
<b>SMILES:</b>	CCC(CC)CCC(C)C1CCC2(C)C3=C(CCC12C)C1(C)CCC(OC(C)=O)C(C)(C)C1CC3
<b>Mol. weight [g/mol]:</b>	484.80

## Physical Properties

Property code	Value	Unit	Source
gf	136.29	kJ/mol	Joback Method
hf	-684.63	kJ/mol	Joback Method
hfus	37.47	kJ/mol	Joback Method
hvap	94.03	kJ/mol	Joback Method
log10ws	-10.11		Crippen Method
logp	9.520		Crippen Method
mcvol	435.530	ml/mol	McGowan Method
pc	775.05	kPa	Joback Method
rinsol	3414.00		NIST Webbook
tb	1074.23	K	Joback Method
tc	1316.65	K	Joback Method
tf	666.67	K	Joback Method
vc	1.659	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	1762.51	J/molxK	1074.23	Joback Method
cpg	1817.73	J/molxK	1114.63	Joback Method
cpg	1877.27	J/molxK	1155.04	Joback Method
cpg	1941.77	J/molxK	1195.44	Joback Method
cpg	2011.88	J/molxK	1235.84	Joback Method
cpg	2088.24	J/molxK	1276.25	Joback Method
cpg	2171.50	J/molxK	1316.65	Joback Method

# Sources

<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>
<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=R110331&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R110331&amp;Units=SI</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>mccvol:</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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