

# Lanost-8-en-3-ol, acetate, (3«beta»)-

<b>Other names:</b>	Lanost-8-en-3«beta»-ol, acetate Dihydrolanosterol acetate Lanost-8-en-3«beta»-yl acetate Lanosterole acetate 24,25-Dihydrolanosteryl acetate 3«beta»-Acetoxylanost-8-ene 24-Dihydrolanosterol acetate
<b>Inchi:</b>	InChI=1S/C32H54O2/c1-21(2)11-10-12-22(3)24-15-19-32(9)26-13-14-27-29(5,6)28(34-2
<b>InchiKey:</b>	VARRUGKCHMYWET-MTJKDGKCSA-N
<b>Formula:</b>	C32H54O2
<b>SMILES:</b>	CC(=O)OC1CCC2(C)C3=C(CCC2C1(C)C)C1(C)CCC(C(C)CCCC(C)C)C1(C)CC3
<b>Mol. weight [g/mol]:</b>	470.77
<b>CAS:</b>	1724-19-2

## Physical Properties

Property code	Value	Unit	Source
gf	127.87	kJ/mol	Joback Method
hf	-663.99	kJ/mol	Joback Method
hfus	34.88	kJ/mol	Joback Method
hvap	91.80	kJ/mol	Joback Method
log10ws	-9.69		Crippen Method
logp	9.130		Crippen Method
mvol	421.440	ml/mol	McGowan Method
pc	818.20	kPa	Joback Method
rinpol	3305.00		NIST Webbook
tb	1051.35	K	Joback Method
tc	1290.99	K	Joback Method
tf	655.40	K	Joback Method
vc	1.603	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	1680.25	J/mol×K	1051.35	Joback Method

cpg	1731.90	J/mol×K	1091.29	Joback Method
cpg	1787.46	J/mol×K	1131.23	Joback Method
cpg	1847.54	J/mol×K	1171.17	Joback Method
cpg	1912.77	J/mol×K	1211.11	Joback Method
cpg	1983.75	J/mol×K	1251.05	Joback Method
cpg	2061.12	J/mol×K	1290.99	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=C1724192&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C1724192&amp;Units=SI</a>
<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>

## 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

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