

24-Methyl-31-norlanosterol acetate

Inchi:

InchiKey:

Formula:

SMILES:

Mol. weight [g/mol]:

InChI=1S/C32H54O2/c1-10-21(2)11-12-22(3)24-15-19-32(9)26-13-14-27-29(5,6)28(34-2

GZIUSEKAVIUXEE-OQTLQYEJSA-N

C32H54O2

CCC(C)CCC(C)C1CCC2(C)C3=C(CCC12C)C1(C)CCC(OC(C)=O)C(C)(C)C1CC3

470.77

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
mcvol	421.440	ml/mol	McGowan Method
pc	818.20	kPa	Joback Method
rinpol	3385.00		NIST Webbook
tb	1051.35	K	Joback Method
tc	1290.99	K	Joback Method
tf	655.40	K	Joback Method
vc	1.603	m3/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

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R110455&Units=SI

Legend

cpg:	Ideal gas heat capacity
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvac:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

Latest version available from:

<https://www.chemeo.com/cid/65-259-3/24-Methyl-31-norlanosterol-acetate.pdf>

Generated by Cheméo on 2025-12-24 00:35:49.288127034 +0000 UTC m=+6284746.818167687.

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