# 24-Ethyl-31-nor-8,25-lanostadienol acetate

**Inchi:** InChI=1S/C33H54O2/c1-10-24(11-2)13-12-22(3)25-16-20-33(9)27-14-15-28-30(5,6)29(3
**InchiKey:** PTEZIKVWECIONK-RGVKLLQESA-N
**Formula:** C33H54O2
**SMILES:** CC=C(CC)CCC(C)C1CCC2(C)C3=C(CCC12C)C1(C)CCC(OC(C)=O)C(C)(C)C1CC3
**Mol. weight [g/mol]:** 482.78

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| gf | 210.40 | kJ/mol | Joback Method |
| hf | -571.92 | kJ/mol | Joback Method |
| hfus | 39.89 | kJ/mol | Joback Method |
| hvap | 94.45 | kJ/mol | Joback Method |
| log10ws | -10.20 | | Crippen Method |
| logp | 9.440 | | Crippen Method |
| mcvol | 431.230 | ml/mol | McGowan Method |
| pc | 796.63 | kPa | Joback Method |
| rinpol | 3399.00 | | NIST Webbook |
| rinpol | 3399.00 | | NIST Webbook |
| tb | 1078.71 | K | Joback Method |
| tc | 1323.38 | K | Joback Method |
| tf | 662.63 | K | Joback Method |
| vc | 1.645 | m3/kmol | Joback Method |

## Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 1737.28 | J/mol×K | 1078.71 | Joback Method |
| cpg | 1793.96 | J/mol×K | 1119.49 | Joback Method |
| cpg | 1855.41 | J/mol×K | 1160.27 | Joback Method |
| cpg | 1922.30 | J/mol×K | 1201.05 | Joback Method |
| cpg | 1995.31 | J/mol×K | 1241.82 | Joback Method |
| cpg | 2075.12 | J/mol×K | 1282.60 | Joback Method |
| cpg | 2162.42 | J/mol×K | 1323.38 | Joback Method |

# Sources

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|---|---|
| **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=R110326&Units=SI |

# Legend

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|---|---|
| **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 |
| **hvap:** | 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 |