

# Germanicol (18-oleanenol) acetate

**Inchi:** InChI=1S/C32H52O2/c1-21(33)34-26-13-14-30(7)24(28(26,4)5)12-15-32(9)25(30)11-10-  
**InchiKey:** FKMSFSBFAGDCK-XAFQBCORSA-N  
**Formula:** C32H52O2  
**SMILES:** CC(=O)OC1CCC2(C)C(CCC3(C)C2CCC2C4=CC(C)(C)CCC4(C)CCC23C)C1(C)C  
**Mol. weight [g/mol]:** 468.75

## Physical Properties

Property code	Value	Unit	Source
gf	152.53	kJ/mol	Joback Method
hf	-591.68	kJ/mol	Joback Method
hfus	25.80	kJ/mol	Joback Method
hvap	89.25	kJ/mol	Joback Method
log10ws	-9.34		Crippen Method
logp	8.740		Crippen Method
mvol	410.580	ml/mol	McGowan Method
pc	922.18	kPa	Joback Method
rinpol	3343.00		NIST Webbook
rinpol	3343.00		NIST Webbook
tb	1053.67	K	Joback Method
tc	1307.40	K	Joback Method
tf	723.10	K	Joback Method
vc	1.550	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	1711.32	J/molxK	1053.67	Joback Method
cpg	1781.21	J/molxK	1095.96	Joback Method
cpg	1858.58	J/molxK	1138.25	Joback Method
cpg	1944.46	J/molxK	1180.54	Joback Method
cpg	2039.84	J/molxK	1222.82	Joback Method
cpg	2145.73	J/molxK	1265.11	Joback Method
cpg	2263.13	J/molxK	1307.40	Joback Method

# Sources

<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=R111230&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R111230&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</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>hvp:</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>rinp:</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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