

# 24-Methylcycloartanol acetate

<b>Inchi:</b>	InChI=1S/C33H56O2/c1-21(2)22(3)10-11-23(4)25-14-16-31(9)27-13-12-26-29(6,7)28(35)
<b>InchiKey:</b>	CHKUWPNYFAUVKK-IAWCWMIVSA-N
<b>Formula:</b>	C33H56O2
<b>SMILES:</b>	CC(=O)OC1CCC23CC24CCC2(C)C(C(C)CCC(C)C(C)C)CCC2(C)C4CCC3C1(C)C
<b>Mol. weight [g/mol]:</b>	484.80

## Physical Properties

Property code	Value	Unit	Source
gf	194.90	kJ/mol	Joback Method
hf	-644.73	kJ/mol	Joback Method
hfus	30.61	kJ/mol	Joback Method
hvap	90.13	kJ/mol	Joback Method
log10ws	-9.43		Crippen Method
logp	9.066		Crippen Method
mvol	428.970	ml/mol	McGowan Method
pc	817.26	kPa	Joback Method
rinpol	3449.00		NIST Webbook
rinpol	3449.00		NIST Webbook
tb	1058.44	K	Joback Method
tc	1300.47	K	Joback Method
tf	670.51	K	Joback Method
vc	1.637	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	1781.03	J/mol×K	1058.44	Joback Method
cpg	1844.44	J/mol×K	1098.78	Joback Method
cpg	1913.92	J/mol×K	1139.12	Joback Method
cpg	1990.32	J/mol×K	1179.46	Joback Method
cpg	2074.44	J/mol×K	1219.79	Joback Method
cpg	2167.13	J/mol×K	1260.13	Joback Method
cpg	2269.21	J/mol×K	1300.47	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=R110480&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R110480&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>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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