

# Trans-androsterone, acetate

<b>Inchi:</b>	InChI=1S/C21H32O3/c1-13(22)24-15-8-10-20(2)14(12-15)4-5-16-17-6-7-19(23)21(17,3)1
<b>InchiKey:</b>	FDCINQSOYQUNKB-UHFFFAOYSA-N
<b>Formula:</b>	C21H32O3
<b>SMILES:</b>	CC(=O)OC1CCC2(C)C(CCC3C4CCC(=O)C4(C)CCC32)C1
<b>Mol. weight [g/mol]:</b>	332.48

## Physical Properties

Property code	Value	Unit	Source
gf	-82.18	kJ/mol	Joback Method
hf	-629.41	kJ/mol	Joback Method
hfus	25.10	kJ/mol	Joback Method
hvap	73.03	kJ/mol	Joback Method
log10ws	-5.00		Crippen Method
logp	4.530		Crippen Method
mvol	272.320	ml/mol	McGowan Method
pc	1578.46	kPa	Joback Method
rinpol	2370.00		NIST Webbook
tb	858.77	K	Joback Method
tc	1104.16	K	Joback Method
tf	556.05	K	Joback Method
vc	1.024	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	977.38	J/mol×K	858.77	Joback Method
cpg	1004.86	J/mol×K	899.67	Joback Method
cpg	1032.08	J/mol×K	940.57	Joback Method
cpg	1059.38	J/mol×K	981.46	Joback Method
cpg	1087.10	J/mol×K	1022.36	Joback Method
cpg	1115.57	J/mol×K	1063.26	Joback Method
cpg	1145.13	J/mol×K	1104.16	Joback Method

# Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=U368380&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U368380&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>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</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>mccvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>rinpol:</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

Latest version available from:

<https://www.chemeo.com/cid/15-097-8/Trans-androsterone-acetate.pdf>

Generated by Cheméo on 2024-04-25 14:30:20.432188746 +0000 UTC m=+16344669.352766058.

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