

# 17-«alpha»-Methyl-5-«beta»-androst-1-ene-3-«alpha»

<b>Inchi:</b>	InChI=1S/C20H32O2/c1-18-9-6-14(21)12-13(18)4-5-15-16(18)7-10-19(2)17(15)8-11-20(
<b>InchiKey:</b>	UMCBDWHORFFLCD-WWZCXKDVSA-N
<b>Formula:</b>	C20H32O2
<b>SMILES:</b>	CC12C=CC(O)CC1CCC1C2CCC2(C)C1CCC2(C)O
<b>Mol. weight [g/mol]:</b>	304.47

## Physical Properties

Property code	Value	Unit	Source
gf	9.03	kJ/mol	Joback Method
hf	-478.05	kJ/mol	Joback Method
hfus	24.38	kJ/mol	Joback Method
hvap	89.59	kJ/mol	Joback Method
log10ws	-4.93		Crippen Method
logp	3.917		Crippen Method
mcvol	256.660	ml/mol	McGowan Method
pc	1940.65	kPa	Joback Method
rinpol	2518.00		NIST Webbook
tb	870.87	K	Joback Method
tc	1089.43	K	Joback Method
tf	546.46	K	Joback Method
vc	0.958	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	938.63	J/molxK	870.87	Joback Method
cpg	964.03	J/molxK	907.30	Joback Method
cpg	990.34	J/molxK	943.72	Joback Method
cpg	1017.94	J/molxK	980.15	Joback Method
cpg	1047.20	J/molxK	1016.58	Joback Method
cpg	1078.49	J/molxK	1053.00	Joback Method
cpg	1112.18	J/molxK	1089.43	Joback Method

# Sources

<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=R257262&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R257262&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</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>hvac:</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>mccol:</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

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