

# Methenolone

<b>Other names:</b>	Androst-1-en-3-one, 17-hydroxy-1-methyl-, (5«alpha»,17«beta»)-5«alpha»-Androst-1-en-3-one, 17«beta»-hydroxy-1-methyl-Metenolone Methenolon 17«beta»-Hydroxy-1-methyl-5«alpha»-androst-1-en-3-one
<b>Inchi:</b>	InChI=1S/C20H30O2/c1-12-10-14(21)11-13-4-5-15-16-6-7-18(22)19(16,2)9-8-17(15)20(1)
<b>InchiKey:</b>	ANJQEDFWRSLVBR-IVKNRJJZSA-N
<b>Formula:</b>	C20H30O2
<b>SMILES:</b>	CC1=CC(=O)CC2CCC3C4CCC(O)C4(C)CCC3C12C
<b>Mol. weight [g/mol]:</b>	302.45
<b>CAS:</b>	153-00-4

## Physical Properties

Property code	Value	Unit	Source
gf	26.83	kJ/mol	Joback Method
hf	-469.89	kJ/mol	Joback Method
hfus	24.64	kJ/mol	Joback Method
hvap	79.28	kJ/mol	Joback Method
log10ws	-4.83		Crippen Method
logp	4.125		Crippen Method
mcvol	252.360	ml/mol	McGowan Method
pc	1804.63	kPa	Joback Method
rinpol	2854.90		NIST Webbook
rinpol	2854.90		NIST Webbook
tb	855.92	K	Joback Method
tc	1089.09	K	Joback Method
tf	546.72	K	Joback Method
vc	0.949	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	904.58	J/molxK	855.92	Joback Method
cpg	929.32	J/molxK	894.78	Joback Method

cpg	954.04	J/mol×K	933.64	Joback Method
cpg	979.06	J/mol×K	972.51	Joback Method
cpg	1004.66	J/mol×K	1011.37	Joback Method
cpg	1031.16	J/mol×K	1050.23	Joback Method
cpg	1058.86	J/mol×K	1089.09	Joback Method

## Sources

<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>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C153004&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C153004&amp;Units=SI</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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