

# 17-«beta»-Methyl-5-«beta»-androstan-3-«alpha»,1

<b>Inchi:</b>	InChI=1S/C20H34O2/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>	QGKQXZFZOIQFBI-UWUFUZZPQHSA-N
<b>Formula:</b>	C20H34O2
<b>SMILES:</b>	CC12CCC(O)CC1CCC1C2CCC2(C)C1CCC2(C)O
<b>Mol. weight [g/mol]:</b>	306.48

## Physical Properties

Property code	Value	Unit	Source
gf	-20.93	kJ/mol	Joback Method
hf	-535.83	kJ/mol	Joback Method
hfus	23.16	kJ/mol	Joback Method
hvap	89.30	kJ/mol	Joback Method
log10ws	-5.07		Crippen Method
logp	4.141		Crippen Method
mvol	260.960	ml/mol	McGowan Method
pc	1880.53	kPa	Joback Method
rinpol	2526.00		NIST Webbook
rinpol	2526.00		NIST Webbook
tb	871.71	K	Joback Method
tc	1089.20	K	Joback Method
tf	545.70	K	Joback Method
vc	0.972	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	967.80	J/mol×K	871.71	Joback Method
cpg	993.94	J/mol×K	907.96	Joback Method
cpg	1020.92	J/mol×K	944.21	Joback Method
cpg	1049.12	J/mol×K	980.46	Joback Method
cpg	1078.90	J/mol×K	1016.70	Joback Method
cpg	1110.63	J/mol×K	1052.95	Joback Method
cpg	1144.66	J/mol×K	1089.20	Joback Method

# Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=R257539&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R257539&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>
<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>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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