

# Epitestosterone, methyl ether

<b>Other names:</b>	(17«alpha»)-17-Methoxyandrost-4-en-3-one
<b>Inchi:</b>	InChI=1S/C20H30O2/c1-19-10-8-14(21)12-13(19)4-5-15-16-6-7-18(22-3)20(16,2)11-9-17
<b>InchiKey:</b>	UWXJGQPTBMQNOW-UHFFFAOYSA-N
<b>Formula:</b>	C20H30O2
<b>SMILES:</b>	<chem>COC1CCC2C3CCC4=CC(=O)CCC4(C)C3CCC12C</chem>
<b>Mol. weight [g/mol]:</b>	302.45

## Physical Properties

Property code	Value	Unit	Source
gf	66.36	kJ/mol	Joback Method
hf	-429.54	kJ/mol	Joback Method
hfus	20.67	kJ/mol	Joback Method
hvap	65.32	kJ/mol	Joback Method
log10ws	-4.90		Crippen Method
logp	4.533		Crippen Method
mvol	252.360	ml/mol	McGowan Method
pc	1693.51	kPa	Joback Method
rinpol	2636.00		NIST Webbook
tb	790.83	K	Joback Method
tc	1038.60	K	Joback Method
tf	512.37	K	Joback Method
vc	0.949	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	856.43	J/mol×K	790.83	Joback Method
cpg	883.31	J/mol×K	832.12	Joback Method
cpg	909.62	J/mol×K	873.42	Joback Method
cpg	935.68	J/mol×K	914.71	Joback Method
cpg	961.86	J/mol×K	956.01	Joback Method
cpg	988.50	J/mol×K	997.30	Joback Method
cpg	1015.94	J/mol×K	1038.60	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=U332943&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U332943&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.cheméo.com/doc/models/crippen_log10ws">https://www.cheméo.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>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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