

# Epitestosterone, butyrate

<b>Inchi:</b>	InChI=1S/C23H34O3/c1-4-5-21(25)26-20-9-8-18-17-7-6-15-14-16(24)10-12-22(15,2)19(1)
<b>InchiKey:</b>	OMPTUWYLCDEFSJ-UHFFFAOYSA-N
<b>Formula:</b>	C23H34O3
<b>SMILES:</b>	CCCC(=O)OC1CCC2C3CCC4=CC(=O)CCC4(C)C3CCC12C
<b>Mol. weight [g/mol]:</b>	358.51

## Physical Properties

Property code	Value	Unit	Source
gf	-37.30	kJ/mol	Joback Method
hf	-604.04	kJ/mol	Joback Method
hfus	30.04	kJ/mol	Joback Method
hvap	78.74	kJ/mol	Joback Method
log10ws	-5.93		Crippen Method
logp	5.230		Crippen Method
mvol	296.200	ml/mol	McGowan Method
pc	1418.64	kPa	Joback Method
rinpol	2480.00		NIST Webbook
tb	913.34	K	Joback Method
tc	1154.13	K	Joback Method
tf	596.11	K	Joback Method
vc	1.123	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	1073.95	J/mol×K	913.34	Joback Method
cpg	1101.66	J/mol×K	953.47	Joback Method
cpg	1129.56	J/mol×K	993.60	Joback Method
cpg	1158.00	J/mol×K	1033.74	Joback Method
cpg	1187.29	J/mol×K	1073.87	Joback Method
cpg	1217.76	J/mol×K	1114.00	Joback Method
cpg	1249.76	J/mol×K	1154.13	Joback Method

# Sources

<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>
<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=U368367&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U368367&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>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

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