

# Epitestosterone, hexanoate

<b>Inchi:</b>	InChI=1S/C25H38O3/c1-4-5-6-7-23(27)28-22-11-10-20-19-9-8-17-16-18(26)12-14-24(17)
<b>InchiKey:</b>	WIGTZVOQGIFMAV-UHFFFAOYSA-N
<b>Formula:</b>	C25H38O3
<b>SMILES:</b>	CCCCC(=O)OC1CCC2C3CCC4=CC(=O)CCC4(C)C3CCC12C
<b>Mol. weight [g/mol]:</b>	386.57

## Physical Properties

Property code	Value	Unit	Source
gf	-20.46	kJ/mol	Joback Method
hf	-645.32	kJ/mol	Joback Method
hfus	35.22	kJ/mol	Joback Method
hvap	83.19	kJ/mol	Joback Method
log10ws	-6.77		Crippen Method
logp	6.010		Crippen Method
mcvol	324.380	ml/mol	McGowan Method
pc	1233.74	kPa	Joback Method
rinpol	2591.00		NIST Webbook
tb	959.10	K	Joback Method
tc	1195.89	K	Joback Method
tf	618.65	K	Joback Method
vc	1.234	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	1206.88	J/mol×K	959.10	Joback Method
cpg	1236.16	J/mol×K	998.57	Joback Method
cpg	1265.88	J/mol×K	1038.03	Joback Method
cpg	1296.35	J/mol×K	1077.50	Joback Method
cpg	1327.90	J/mol×K	1116.96	Joback Method
cpg	1360.85	J/mol×K	1156.43	Joback Method
cpg	1395.52	J/mol×K	1195.89	Joback Method

# Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=U368368&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U368368&amp;Units=SI</a>
<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>

# 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>rinpolar:</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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