

Testosterone enanthate

Other names:	Androst-4-en-3-one, 17-[(1-oxoheptyl)oxy]-, (17«beta»)- Androst-4-en-3-one, 17«beta»-hydroxy-, heptanoate Androtardyl Atlatest Delatestryl Depo-Testro Med Everone Exten test Heptanoic acid, ester with testosterone Malogen L.A. Orquisteron-E Reposo-TMD Testanthate Testinon Testoenant Testonenant Testosterone heptanoate Testosterone heptoate Testosterone heptylate Testosterone oenanthate Testostroval 17-Hydroxyandrost-4-en-3-one, 17-heptanoate Malogen L.A.200 NSC-17591 Testosterone enantate Andro L.A. 200 17-[(1-Oxoheptyl)oxy]androst-4-en-3-one Primoteston 4-Androsten-3-one 17«beta»-enanthate Testenate Testosterone 17-enanthate
Inchi:	InChI=1S/C26H40O3/c1-4-5-6-7-8-24(28)29-23-12-11-21-20-10-9-18-17-19(27)13-15-25
InchiKey:	VOCBWIFXDYGNZ-ZWJJGLRPSA-N
Formula:	C26H40O3
SMILES:	CCCCCCC(=O)OC1CCC2C3CCC4=CC(=O)CCC4(C)C3CCC12C
Mol. weight [g/mol]:	400.59
CAS:	315-37-7

Physical Properties

Property code	Value	Unit	Source
gf	-12.04	kJ/mol	Joback Method
hf	-665.96	kJ/mol	Joback Method
hfus	37.81	kJ/mol	Joback Method
hvap	85.42	kJ/mol	Joback Method
log10ws	-7.18		Crippen Method
logp	6.401		Crippen Method
mcvol	338.470	ml/mol	McGowan Method
pc	1154.57	kPa	Joback Method
tb	981.98	K	Joback Method
tc	1217.98	K	Joback Method
tf	629.92	K	Joback Method
vc	1.290	m ³ /kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	1275.01	J/molxK	981.98	Joback Method
cpg	1305.27	J/molxK	1021.31	Joback Method
cpg	1336.08	J/molxK	1060.65	Joback Method
cpg	1367.78	J/molxK	1099.98	Joback Method
cpg	1400.68	J/molxK	1139.31	Joback Method
cpg	1435.11	J/molxK	1178.64	Joback Method
cpg	1471.40	J/molxK	1217.98	Joback Method

Sources

- Crippen Method:** https://www.chemeo.com/doc/models/crippen_log10ws
- Joback Method:** https://en.wikipedia.org/wiki/Joback_method
- McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>
- NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C315377&Units=SI>
- Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

Legend

cpg:	Ideal gas heat capacity
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

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