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:	VOCBWIIFXDYGNZ-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	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	1275.01	J/mol×K	981.98	Joback Method
cpg	1305.27	J/mol×K	1021.31	Joback Method
cpg	1336.08	J/mol×K	1060.65	Joback Method
cpg	1367.78	J/mol×K	1099.98	Joback Method
cpg	1400.68	J/mol×K	1139.31	Joback Method
cpg	1435.11	J/mol×K	1178.64	Joback Method
cpg	1471.40	J/mol×K	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/ci990307l

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