Testosterone propionate

Other names:

17-(1-Oxopropoxy)androst-4-en-3-one, (17«beta»)-
17-(1-Oxopropoxy)androst-4-en-3-one, (17Â«betaÂ»)-
17Beta-hydroxyandrost-4-en-3-one, propionate
17«beta»-(Propionyloxy)androst-4-en-3-one
17«beta»-hydroxyandrost-4-en-3-one, propionate
17Â«betaÂ»-(Propionyloxy)androst-4-en-3-one
17Â«betaÂ»-hydroxyandrost-4-en-3-one, propionate
3-Oxoandrost-4-en-17-yl propionate, (17«beta»)-
3-Oxoandrost-4-en-17-yl propionate, (17Â«betaÂ»)-
Agovirin
Androgen
Androlon
Andronate
Androst-4-en-3-one, 17-(1-oxopropoxy)-, (17«beta»)-
Androst-4-en-3-one, 17-(1-oxopropoxy)-, (17Â«betaÂ»)-
Androst-4-en-3-one, 17«beta»-hydroxy-, propionate
Androst-4-en-3-one, 17Â«betaÂ»-hydroxy-, propionate
Androstene-17(beta)-propionate-3-one,delta^8-
Androsteston
Androtest P
Androteston
Andrusol-P
Anertan
Aquaviron
Bio-testiculina
Delta^4-androstene-17beta-propionate-3-one
Enarmon
Enarmon-oil
Homandren
Homandren (amps)
Hormoteston
Masenate
NSC 9166
Nasdol
Neo-hombreol
Okasa-mascul
Orchiol
Orchisterone
Orchistin
Oreton

	Oreton propionate
	Pantestin
	Primotestone
	Propiokan
	Recthormone testosterone
	Solvotest
	Sterandryl
	Synandrol
	Synerone
	TP
	Telipex
	Testaform
	Testex
	Testodet
	Testodrin
	Testogen
	Testolets
	Testonique
	Testormol
	Testosid
	Testosteron propionate
	Testosterone-17-propionate
	Testosterone-17«beta»-propionate
	Testosterone-17Â«betaÂ»-propionate
	Testoviron
	Testoxyl
	Testrex
	Tostrin
	Uniteston
	Virormone
	Vulvan
	«DELTA»4-androstene-17«beta»-propionate-3-one
	Â«DELTAÂ»4-androstene-17Â«betaÂ»-propionate-3-one
Inchi:	InChI=1S/C22H32O3/c1-4-20(24)25-19-8-7-17-16-6-5-14-13-15(23)9-11-21(14,2)18(16)1
InchiKey:	PDMMFKSKQVNJMI-AZBVOVPMSA-N
Formula:	C22H32O3
SMILES:	CCC(=O)OC1CCC2C3CCC4=CC(=O)CCC4(C)C3CCC12C
Mol. weight [g/mol]:	344.49
CAS:	57-85-2

Physical Properties

Property code	Value	Unit	Source
gf	-45.72	kJ/mol	Joback Method
hf	-583.40	kJ/mol	Joback Method
hfus	27.45	kJ/mol	Joback Method
hvap	76.52	kJ/mol	Joback Method
log10ws	-5.37		Aqueous Solubility Prediction Method
log10ws	-5.37		Estimated Solubility Method
logp	4.840		Crippen Method
mcvol	282.110	ml/mol	McGowan Method
pc	1527.07	kPa	Joback Method
tb	890.46	K	Joback Method
tc	1134.37	K	Joback Method
tf	584.84	K	Joback Method
vc	1.067	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	1148.71	J/mol×K	1093.72	Joback Method
cpg	1009.15	J/mol×K	890.46	Joback Method
cpg	1036.22	J/mol×K	931.11	Joback Method
cpg	1063.38	J/mol×K	971.76	Joback Method
cpg	1090.95	J/mol×K	1012.42	Joback Method
cpg	1119.28	J/mol×K	1053.07	Joback Method
cpg	1179.57	J/mol×K	1134.37	Joback Method
hfust	25.64	kJ/mol	393.00	NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C57852&Units=SI

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Joback Method: https://en.wikipedia.org/wiki/Joback_method

Aqueous Solubility Prediction Method:	http://onschallenge.wikispaces.com/file/view/AqueousDataset002.xlsx/351826032/AqueousDa
Estimated Solubility Method:	http://pubs.acs.org/doi/suppl/10.1021/ci034243x/suppl_file/ci034243xsi20040112_053635.txt
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

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
hfust:	Enthalpy of fusion at a given temperature
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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