

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-17 «beta»-propionate
Testoviron
Testoxyl
Testrex
Tostrin
Uniteston
Viormone
Vulvan

«DELTA»4-androstene-17 «beta»-propionate-3-one

«DELTA»4-androstene-17 «beta»-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		Estimated Solubility Method
log10ws	-5.37		Aqueous Solubility Prediction 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	m ³ /kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
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	1148.71	J/mol×K	1093.72	Joback Method
cpg	1179.57	J/mol×K	1134.37	Joback Method
hfust	25.64	kJ/mol	393.00	NIST Webbook

Sources

McGowan Method:

<http://link.springer.com/article/10.1007/BF02311772>

NIST Webbook:

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

Crippen Method:

<http://pubs.acs.org/doi/abs/10.1021/ci9903071>

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

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
mccvol:	McGowan's characteristic volume
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

Latest version available from:

<https://www.cheméo.com/cid/65-108-0/Testosterone-propionate.pdf>

Generated by Cheméo on 2024-04-24 02:01:04.183242172 +0000 UTC m=+16213313.103819483.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.