Nandrolone phenpropionate

Other names:	Estr-4-en-3-one, 17-(1-oxo-3-phenylpropoxy)-, (17«beta»)-
	Durabolin
	Estr-4-en-3-one, 17«beta»-hydroxy-, hydrocinnamate
	Fenobolin
	FTS
	Nadrolone phenylpropionate
	Nandrolin
	Nandrolon phenylpropionate
	Nandrolone phenylpropionate
	Nerobil
	Nerobolil
	Norandrolone phenyl propionate
	Norandrostenolone phenylpropionate
	Nortestosterone phenylpropionate
	NPP
	NTPP
	Phenobolin
	Superanabolon
	SK 22271
	17«beta»-Phenylpropionyloxy-4-estrene-3-one
	17-«beta»-hydroxyestr-4-en-3-one hydrocinnamate
	17-(1-oxo-3-phenylpropoxy)estr-4-en-3-one
	19-Norandrostenolone phenylpropionate
	19-Nortestosterone phenyl propionate
	19-Nortestosterone, hydrocinnamate
	Estr-4-ene-3-one, 17-«beta»-hydroxy-, 3-phenylpropionate
	17-«beta»-Hydroxy-estra-4-en-3-one, 17-phenylpropionate
	19NTPP
	17-«beta»-Phenylpropionyloxy-4-estren-3-one
	Nandrobolic
	Activin
	Durabol
	NSC-23162
	Strabolene
	4-Androstene-17-beta-ol-3-one, 19-nor-delta-, phenylpropionate
	17-«beta»-hydroxyestr-4-en-3-one 17-(3-phenylpropionate)
Inchi:	InChI=1S/C27H34O3/c1-27-16-15-22-21-11-9-20(28)17-19(21)8-10-23(22)24(27)12-13-2
InchiKey:	UBWXUGDQUBIEIZ-UHFFFAOYSA-N
Formula:	C27H34O3
SMILES:	CC12CCC3C4CCC(=O)C=C4CCC3C1CCC2OC(=O)CCc1ccccc1

Mol. weight [g/mol]: 406.56
CAS: 62-90-8

Physical Properties

Property code	Value	Unit	Source
gf	114.28	kJ/mol	Joback Method
hf	-465.31	kJ/mol	Joback Method
hfus	40.74	kJ/mol	Joback Method
hvap	91.07	kJ/mol	Joback Method
log10ws	-6.71		Crippen Method
logp	5.673		Crippen Method
mcvol	328.800	ml/mol	McGowan Method
pc	1319.43	kPa	Joback Method
tb	1031.30	K	Joback Method
tc	1286.98	K	Joback Method
tf	367.00 ± 1.00	K	NIST Webbook
vc	1.240	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	1233.31	J/mol×K	1031.30	Joback Method
cpg	1258.37	J/mol×K	1073.91	Joback Method
cpg	1283.16	J/mol×K	1116.53	Joback Method
cpg	1307.99	J/mol×K	1159.14	Joback Method
cpg	1333.14	J/mol×K	1201.76	Joback Method
cpg	1358.90	J/mol×K	1244.37	Joback Method
cpg	1385.56	J/mol×K	1286.98	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C62908&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
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

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