Chlormadinone acetate

Other names:

Pregna-4,6-diene-3,20-dione, 17-(acetyloxy)-6-chloro-
«DELTA»6-6-Chloro-17«alpha»-acetoxyprogesterone
Ay 13390-6
Bovisynchron
C-Quens
Cero
Chloramdinone acetate
Chlordion
Chlormadinon acetate
Chlormadinone
Chloromadinone acetate
Clordion
CAP
Fertiletten
Gestafortin
Lormin
Luteran
Lutinyl
Lutoral (Syntex)
Matrol
Menstridyl
Minipill
Normenon
Pregna-4,6-diene-3,20-dione, 6-chloro-17-hydroxy-, acetate
Progesterone, 6-chloro-6-dehydro-17-hydroxy-, acetate
Retex
RS 1280
Skedule
Skedule TM
Synchrosyn P
ST 155
Traslan
Verton
17«alpha»-Acetoxy-6-chloro-4,6-pregnadiene-3,20-dione
17«alpha»-Acetoxy-6-chloro-6-dehydroprogesterone
17«alpha»-Acetoxy-6-chloropregna-4,6-diene-3,20-dione
17-Acetoxy-6-chloro-6-dehydroprogesterone
6-Chloro-«DELTA»- 4,6-pregnadiene-17«alpha»-ol-3,20-dione 17-acetate
6-Chloro-«DELTA»6-dehydro-17-acetoxyprogesterone
6-Chloro-«DELTA»6-17-acetoxyprogesterone

6-Chloro-«DELTA»6-17«alpha»-hydroxyprogesterone acetate
6-Chloro-«DELTA»6-(17«alpha»)acetoxyprogesterone
6-Chloro-pregna-4,6-dien-17«alpha»-ol-3,20-dione acetate
6-Chloro-17«alpha»-acetoxy-4,6-pregnadiene-3,20-dione
6-Chloro-17«alpha»-hydroxy-«DELTA»6-progesterone acetate
6-Chloro-17«alpha»-hydroxypregna-4,6-diene-3,20-dione acetate
6-Chloro-17-hydroxypregna-4,6-diene-3,20-dione acetate
6-Chloro-6-dehydro-17«alpha»-acetoxyprogesterone
6-Chloro-6-dehydro-17«alpha»-hydroxyprogesterone acetate
17-«alpha»-Acetoxy-6-chloro-6,7-dehydroprogesterone
17-(Acetyloxy)-6-chloropregna-4,6-diene-3,20-dione
Chlormadinonu
6-Dehydro-6-chloro-17-«alpha»-acetoxyprogesterone
NSC-92338
Pregna-4,6-diene-3,20-dione, 17-(acetoxy)-6-chloro-
Chronosyn
Cyclonorm
Lutoral
Natrol
Prostal
17-Acetoxy-6-chloropregna-4,6-diene-3,20-dione
6-Chloro-17-acetoxy-4,6-pregnadiene-3,20-dione
Synchrosyn
6-Chloro-6,7-dehydro-17-acetoxyprogesterone
6-Chloro-6-dehydro-17-acetoxyprogesterone

Inchi: InChI=1S/C23H29ClO4/c1-13(25)23(28-14(2)26)10-7-18-16-12-20(24)19-11-15(27)5-8-2
InchiKey: QMBJSIBWORFWQT-UHFFFAOYSA-N
Formula: C23H29ClO4
SMILES: CC(=O)OC1(C(C)=O)CCC2C3C=C(Cl)C4=CC(=O)CCC4(C)C3CCC21C
Mol. weight [g/mol]: 404.93
CAS: 302-22-7

Physical Properties

Property code	Value	Unit	Source
gf	-163.31	kJ/mol	Joback Method
hf	-670.81	kJ/mol	Joback Method
hfus	30.37	kJ/mol	Joback Method
hvap	89.67	kJ/mol	Joback Method
log10ws	-5.71		Crippen Method

logp	4.752		Crippen Method
mcvol	305.710	ml/mol	McGowan Method
pc	1522.31	kPa	Joback Method
tb	1009.02	K	Joback Method
tc	1265.78	K	Joback Method
tf	713.14	K	Joback Method
vc	1.161	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	1111.42	J/mol×K	1009.02	Joback Method
cpg	1146.43	J/mol×K	1051.81	Joback Method
cpg	1184.13	J/mol×K	1094.61	Joback Method
cpg	1225.04	J/mol×K	1137.40	Joback Method
cpg	1269.70	J/mol×K	1180.20	Joback Method
cpg	1318.63	J/mol×K	1222.99	Joback Method
cpg	1372.37	J/mol×K	1265.78	Joback Method

Sources

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
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C302227&Units=SI

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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