



LKT Laboratories, Inc.

Chlormadinone Acetate

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Product Information

Product ID C2847
CAS No. 302-22-7
Chemical Name 17-(Acetyloxy)-6-chloropregna-4,6-diene-3,20-dione

Synonym Chronosynl Cyclonorm, Fertiletten, Lormin, Luteran, Matrol, Normenon, Prostal, Trasan

Formula $C_{23}H_{29}ClO_4$

Formula Wt. 404.93

Melting Point 212-214°C

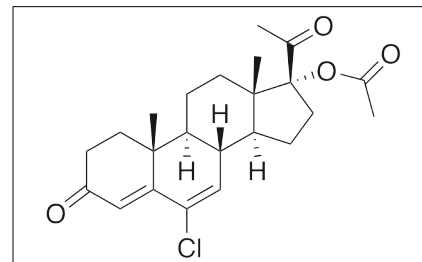
Purity ≥96%

Solubility Soluble in methanol,
chloroform, ethyl acetate,
ether, DMSO.

Store Temp Ambient

Ship Temp Ambient

Description Chlormadinone is a synthetic steroidal progesterone that exhibits anti-androgenic and anti-osteoporotic activities. Chlormadinone is occasionally used as a contraceptive but also treats benign prostatic hyperplasia (BPH) and polycystic ovary syndrome (PCOS). In bone marrow stem cells, chlormadinone promotes osteoblast differentiation and Ca^{2+} deposition.



Bulk quantities available upon request

Product ID	Size
C2847	1 g
C2847	5 g

References Kim JM, Lee JE, Ryu SH, et al. Chlormadinone acetate promotes osteoblast differentiation of human mesenchymal stem cells through the ERK signaling pathway. *Eur J Pharmacol.* 2014 Mar 5;726:1-8. PMID: 24440171.

Fujimoto K, Hirao Y, Ohashi Y, et al. The effects of chlormadinone acetate on lower urinary tract symptoms and erectile functions of patients with benign prostatic hyperplasia: a prospective multicenter clinical study. *Adv Urol.* 2013;2013:584678. PMID: 23762042.

Gomes VA, Vieira CS, Jacob-Ferreira AL, et al. Oral contraceptive containing chlormadinone acetate and ethinylestradiol reduces plasma concentrations of matrix metalloproteinase-2 in women with polycystic ovary syndrome. *Basic Clin Pharmacol Toxicol.* 2012 Sep;111(3):211-6. PMID: 22510229.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.