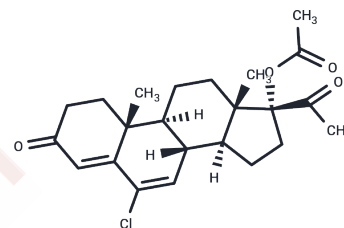


Chlormadinone acetate

Chemical Properties

CAS No. :	302-22-7
Formula:	C ₂₃ H ₂₉ ClO ₄
Molecular Weight:	404.93
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Chlormadinone acetate (Gestafortin) is an orally active synthetic progestational hormone used often in combinations as an oral contraceptive.
Targets(IC50)	Androgen Receptor, Progesterone Receptor

Solubility Information

Solubility	Ethanol: 1 mg/mL (2.47 mM), Sonication is recommended. DMSO: 26 mg/mL (64.21 mM), Sonication is recommended. H ₂ O: < 1 mg/mL (insoluble), (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (2.47 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4696 mL	12.3478 mL	24.6956 mL
5 mM	0.4939 mL	2.4696 mL	4.9391 mL
10 mM	0.247 mL	1.2348 mL	2.4696 mL
50 mM	0.0494 mL	0.247 mL	0.4939 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Kim JM, et al. Eur J Pharmacol. 2014 Mar 5;726:1-8.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481