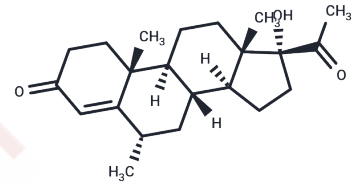


Medroxyprogesterone

Chemical Properties

CAS No. :	520-85-4
Formula:	C ₂₂ H ₃₂ O ₃
Molecular Weight:	344.49
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Medroxyprogesterone is used in the treatment of renal carcinoma. It is a synthetic progestational hormone used in veterinary practice as an estrus regulator.
Targets(IC50)	Estrogen/progestogen Receptor, Progesterone Receptor

Solubility Information

Solubility	DMSO: 71.43 mg/mL (207.35 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2.5 mg/mL (7.26 mM), Sonication is recommended. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 7.14 mg/mL (20.73 mM), Solution. 10% DMSO+90% Saline: < 7.14 mg/mL (20.73 mM), Lower concentrations may be soluble, but exact solubility limit is unknown. <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	2.9028 mL	14.5142 mL	29.0284 mL
5 mM	0.5806 mL	2.9028 mL	5.8057 mL
10 mM	0.2903 mL	1.4514 mL	2.9028 mL
50 mM	0.0581 mL	0.2903 mL	0.5806 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

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- Frank L A , Watson J B . Treatment of alopecia X with medroxyprogesterone acetate[J]. *Veterinary Dermatology*, 2013, 24(6):624-e154.
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