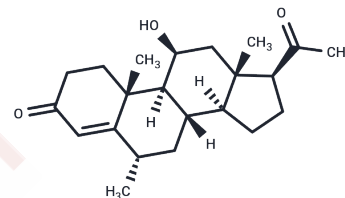


Medryson

Chemical Properties

CAS No. :	2668-66-8
Formula:	C ₂₂ H ₃₂ O ₃
Molecular Weight:	344.49
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	Medryson (6 α -Methyl-11 β -hydroxyprogesterone) is a topical, synthetic glucocorticoid with metabolic, anti-inflammatory and anti-allergic properties. Medryson exerts its effect by interacting with specific intracellular glucocorticoid receptors and subsequently binds to DNA to modify gene expression. This results in an induction of the synthesis of certain anti-inflammatory proteins while inhibiting the synthesis of certain inflammatory mediators. Consequently, an overall reduction in chronic inflammation and autoimmune reactions is accomplished.
Targets(IC50)	Glucocorticoid Receptor,Others

Solubility Information

Solubility	DMSO: 50 mg/mL (145.14 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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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

Southren AL, et al. Invest Ophthalmol Vis Sci. 1983 Feb;24(2):147-52.

Zhu Y, Jin X, Fu N, et al. Medrysone promotes corneal injury repair by promoting M2-like polarization of macrophages. BMC ophthalmology. 2023, 23(1): 503.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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