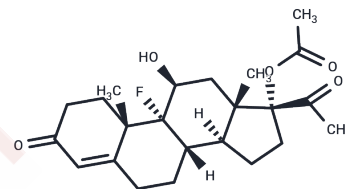


Fluorogestone acetate

Chemical Properties

CAS No. :	2529-45-5
Formula:	C ₂₃ H ₃₁ F ₀ O ₅
Molecular Weight:	406.49
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	Fluorogestone acetate shows high potency with a short duration of activity and is physiologically similar to progesterone. FGA is approximately 20-25 times more potent than progesterone.
Targets(IC50)	Others,GNRH Receptor

Solubility Information

Solubility	DMSO: 4.64 mg/mL (11.41 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	2.4601 mL	12.3004 mL	24.6009 mL
5 mM	0.492 mL	2.4601 mL	4.9202 mL
10 mM	0.246 mL	1.230 mL	2.4601 mL
50 mM	0.0492 mL	0.246 mL	0.492 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

Swelum A A , Alowaimer A N , Abouheif M A . Use of fluorogestone acetate sponges or controlled internal drug release for estrus synchronization in ewes: Effects of hormonal profiles and reproductive performance[J]. Theriogenology, 2015, 84(4):498-503.

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