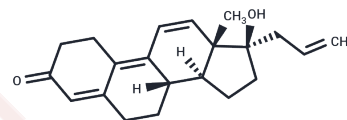


Altrenogest

Chemical Properties

CAS No. :	850-52-2
Formula:	C ₂₁ H ₂₆ O ₂
Molecular Weight:	310.43
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Altrenogest (Allyltrenbolone)(A35957; RU2267), a progestogen, has structural relation with veterinary steroid trenbolone.
Targets(IC50)	Estrogen/progestogen Receptor, Progesterone Receptor
In vitro	Altrenogest is a synthetic trienic C ₂₁ steroidal progestomimetic, belonging to the 19-nor-testosterone series. It is an orally active (pro)gestagen. Like all steroids, altrenogest acts by its liposolubility by penetrating the target cells where it binds to specific receptors. In veterinary medicine, altrenogest is used in gilts and mares for zootechnical purposes (oestrus synchronization).

Solubility Information

Solubility	H ₂ O: < 1 mg/mL (insoluble or slightly soluble), DMSO: 15 mg/mL (48.32 mM), Sonication is recommended. Ethanol: 2 mg/mL (6.44 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	3.2213 mL	16.1067 mL	32.2134 mL
5 mM	0.6443 mL	3.2213 mL	6.4427 mL
10 mM	0.3221 mL	1.6107 mL	3.2213 mL
50 mM	0.0644 mL	0.3221 mL	0.6443 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.

Reference

- Squires EL, et al. J Anim Sci, 1983, 56(4), 901-910.
Guthrie HD, et al. Biol Reprod, 1988, 38(4), 750-755.

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