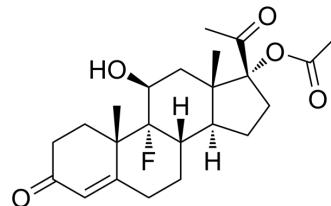


## Fluorogestone acetate

<b>Cat. No.:</b>	HY-125611
<b>CAS No.:</b>	2529-45-5
<b>Molecular Formula:</b>	C <sub>23</sub> H <sub>31</sub> FO <sub>5</sub>
<b>Molecular Weight:</b>	406.49
<b>Target:</b>	GnRH Receptor
<b>Pathway:</b>	GPCR/G Protein
<b>Storage:</b>	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 7.14 mg/mL (17.57 mM; ultrasonic and warming and heat to 60°C)				
	<b>Preparing Stock Solutions</b>	<b>Solvent</b> \ <b>Mass</b> \ <b>Concentration</b>	<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
		<b>1 mM</b>	2.4601 mL	12.3004 mL	24.6009 mL
		<b>5 mM</b>	0.4920 mL	2.4601 mL	4.9202 mL
	<b>10 mM</b>	0.2460 mL	1.2300 mL	2.4601 mL	
Please refer to the solubility information to select the appropriate solvent.					
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 0.71 mg/mL (1.75 mM); Clear solution				

### BIOLOGICAL ACTIVITY

<b>Description</b>	Fluorogestone acetate is a progesterone compound. Fluorogestone acetate inhibits ovulation and synchronizes the estrous cycle in cattle by inhibiting the release of luteinizing hormone (LH) from the pituitary gland <sup>[1]</sup> .
--------------------	---

### REFERENCES

[1]. Freitas VJ, et al. Estrus synchronization in dairy goats: use of fluorogestone acetate vaginal sponges or norgestomet ear implants. Anim Reprod Sci. 1997 Apr;46(3-4):237-44.

---

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA