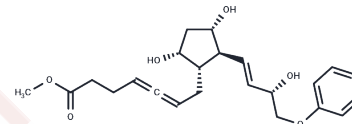


Fenprostalene

Chemical Properties

CAS No. :	69381-94-8
Formula:	C ₂₃ H ₃₀ O ₆
Molecular Weight:	402.48
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	Fenprostalene is a long-acting prostaglandin F2 Alpha analog.
Targets(IC50)	Others, Progesterone Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4846 mL	12.423 mL	24.846 mL
5 mM	0.4969 mL	2.4846 mL	4.9692 mL
10 mM	0.2485 mL	1.2423 mL	2.4846 mL
50 mM	0.0497 mL	0.2485 mL	0.4969 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

Rasmussen FE, Wiltbank MC, Christensen JO, Grummer RR. Effects of fenprostalene and estradiol-17 beta benzoate on parturition and retained placenta in dairy cows and heifers. *J Dairy Sci.* 1996 Feb;79(2):227-34. PubMed PMID: 8708084.

Stevens RD, Dinsmore RP, Cattell MB. Evaluation of the use of intrauterine infusions of oxytetracycline, subcutaneous injections of fenprostalene, or a combination of both, for the treatment of retained fetal membranes in dairy cows. *J Am Vet Med Assoc.* 1995 Dec 15;207(12):1612-5. PubMed PMID: 7493902.

Stephens S, Boland MP, Roche JF, Reid JF, Bourke S. Induction of parturition in swine with the prostaglandin analogue fenprostalene. *Vet Rec.* 1988 Mar 26;122(13):296-9. PubMed PMID: 3381422.

Garcia-Villar R, Marnet PG, Laurentie MP, Toutain PL. Relative oxytocic properties of fenprostalene compared with cloprostenol, prostaglandin F2 alpha, and oxytocin in the ovariectomized ewe. *Am J Vet Res.* 1985 Apr;46(4):841-4. PubMed PMID: 3860030.

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