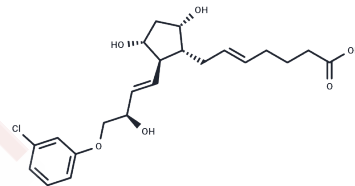


(+)-5-trans Cloprostenol

Chemical Properties

CAS No. :	57968-81-7
Formula:	C ₂₂ H ₂₉ ClO ₆
Molecular Weight:	424.92
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	Cloprostenol is a synthetic derivative of prostaglandin F ₂ α that is used in veterinary medicine as a luteolytic agent for the induction of estrus and in the treatment of reproductive disorders in cattle, swine, and horses. (+)-5-trans Cloprostenol is a minor impurity produced in the synthesis of (+)-cloprostenol. The (+)-5-trans isomer is 20-fold less active than the 5-cis form in terminating pregnancy in the hamster.
Targets(IC50)	Others,Prostaglandin Receptor

Solubility Information

Solubility	DMF: >100 mg/mL,Sonication is recommended. PBS (pH 7.2): > 16 mg/mL,Sonication is recommended. DMSO: >100 mg/mL,Sonication is recommended. Ethanol: > 100 mg/mL,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	2.3534 mL	11.7669 mL	23.5338 mL
5 mM	0.4707 mL	2.3534 mL	4.7068 mL
10 mM	0.2353 mL	1.1767 mL	2.3534 mL
50 mM	0.0471 mL	0.2353 mL	0.4707 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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