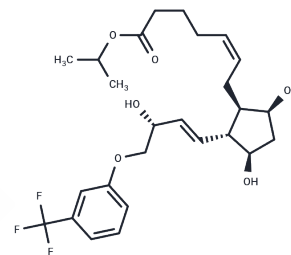


Travoprost

Chemical Properties

CAS No. :	157283-68-6
Formula:	C ₂₆ H ₃₅ F ₃ O ₆
Molecular Weight:	500.55
Storage:	Pure form: -20°C for 3 years In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Travoprost (Fluprostenol isopropyl ester) is used to treat glaucoma and ocular hypertension, is a potent and selective FP prostaglandin receptor agonist.
Targets(IC50)	Prostaglandin Receptor

Solubility Information

Solubility	DMSO: 125 mg/mL (249.73 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (4 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9978 mL	9.989 mL	19.978 mL
5 mM	0.3996 mL	1.9978 mL	3.9956 mL
10 mM	0.1998 mL	0.9989 mL	1.9978 mL
50 mM	0.040 mL	0.1998 mL	0.3996 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

Hellberg M R , Sallee V L , Mclaughlin M A , et al. Preclinical Efficacy of Travoprost, a Potent and Selective FP Prostaglandin Receptor Agonist[J]. Journal of Ocular Pharmacology and Therapeutics, 2001, 17(5):421-432.

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