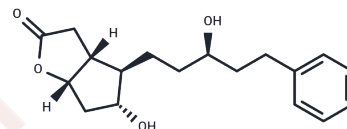


Latanoprost lactone diol

Chemical Properties

CAS No. :	145667-75-0
Formula:	C ₁₈ H ₂₄ O ₄
Molecular Weight:	304.38
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	Latanoprost lactone diol is an important intermediate compound in the synthesis of Latanoprost. Latanoprost, classified as a prostaglandin F _{2α} analogue, functions as an agonist for the FP prostanoid receptor, resulting in a reduction in intraocular pressure (IOP).
Targets(IC50)	Others,Prostaglandin Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2854 mL	16.4268 mL	32.8537 mL
5 mM	0.6571 mL	3.2854 mL	6.5707 mL
10 mM	0.3285 mL	1.6427 mL	3.2854 mL
50 mM	0.0657 mL	0.3285 mL	0.6571 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

Pauly A, et al. In vitro and in vivo comparative toxicological study of a new preservative-free latanoprost formulation. Invest Ophthalmol Vis Sci. 2012 Dec 13;53(13):8172-80.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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