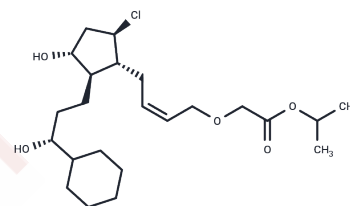


AL 6598

Chemical Properties

CAS No. : 170291-06-2
 Formula: C₂₃H₃₉ClO₅
 Molecular Weight: 431.01
 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	Elevated intraocular pressure (IOP) is an important risk factor in developing glaucoma. Certain prostaglandins such as PGF ₂ α and PGD ₂ , have been shown to reduce IOP. AL 6598 is the isopropyl ester prodrug of AL 6556, a PGD ₂ receptor agonist that binds to DP receptors with a K _i value of 3.2 μM and demonstrates an EC ₅₀ value of 0.80 μM in an in vitro functional assay. Designed to enhance corneal absorption, AL 6598 produces a maximum 53% drop in IOP of the ocular hypertensive monkey with a 1 μg dose given twice daily.
Targets(IC50)	Others,Prostaglandin Receptor

Solubility Information

Solubility	DMSO: 5 mg/mL (11.6 mM),Sonication is recommended. DMF: 5 mg/mL (11.6 mM),Sonication is recommended. Ethanol: 10 mg/mL (23.2 mM),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	2.3201 mL	11.6007 mL	23.2013 mL
5 mM	0.464 mL	2.3201 mL	4.6403 mL
10 mM	0.232 mL	1.1601 mL	2.3201 mL
50 mM	0.0464 mL	0.232 mL	0.464 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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