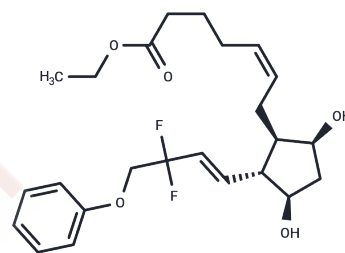


Tafluprost ethyl ester

Chemical Properties

CAS No. :	209860-89-9
Formula:	C ₂₄ H ₃₂ F ₂ O ₅
Molecular Weight:	438.512
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	Tafluprost, an analog of prostaglandin F _{2α} (PGF _{2α}) that primarily targets the FP receptor, is employed in glaucoma treatment. Tafluprost (free acid) serves as a potent FP receptor agonist with a K _i value of 0.4 nM. Its derivative, tafluprost ethyl ester, potentially offers enhanced lipid solubility relative to its free acid form, possibly leading to superior tissue absorption and reduced effective concentration requirements.
Targets(IC50)	Others,Prostaglandin Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2804 mL	11.4022 mL	22.8045 mL
5 mM	0.4561 mL	2.2804 mL	4.5609 mL
10 mM	0.228 mL	1.1402 mL	2.2804 mL
50 mM	0.0456 mL	0.228 mL	0.4561 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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