

Bimatoprost D5

Chemical Properties

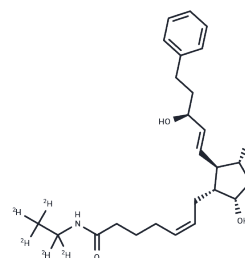
CAS No. :

Formula: C₂₅H₃₂D₅N₀O₄

Molecular Weight: 420.6

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

Bimatoprost-D5 is a deuterium-labeled Bimatoprost. Bimatoprost (T2538) is a topical hypotensive agent frequently used for treating glaucoma and ocular hypertension.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3776 mL	11.8878 mL	23.7756 mL
5 mM	0.4755 mL	2.3776 mL	4.7551 mL
10 mM	0.2378 mL	1.1888 mL	2.3776 mL
50 mM	0.0476 mL	0.2378 mL	0.4755 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

Park J, et al. Changes to upper eyelid orbital fat from use of topical bimatoprost, travoprost, and latanoprost. Jpn J Ophthalmol. 2011 Jan;55(1):22-7.

Krauss AH, et al. Update on the mechanism of action of bimatoprost: a review and discussion of new evidence. Surv Ophthalmol. 2004 Mar;49 Suppl 1:S5-11.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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