



## CERTIFICATE OF ANALYSIS

Date: 14-02-2026

Product Name	Tafluprost Impurity 3		
Chemical Name	Isopropyl (Z)-7-((1R,2R,3R,5S)-3,5-dihydroxy-2-((E)-3,3,4-trifluoro-4-phenoxybut-1-en-1-yl)cyclopentyl)hept-5-enoate		
Structure	<p>The chemical structure shows a complex molecule. It features a cyclopentane ring with two hydroxyl groups (HO) at the 3 and 5 positions. Attached to the cyclopentane is a hept-5-enoate side chain, which includes a terminal carboxylic acid group (-COOH) esterified to an isopropyl group (-CH2CH(CH3)2). The hept-5-enoate chain also contains a trifluoromethyl group (-CF3) and a phenoxy group (-O-C6H5).</p>		
Batch No.	-	CAS No.	733036-94-7
Analysis Date	-	Retest Date	5
Mol. Formula	C <sub>25</sub> H <sub>33</sub> F <sub>3</sub> O <sub>5</sub>	Molecular Wt.	470.5
Long term Storage Condition	Store at 2-8 °C in well closed container		
Handling and Transit Condition	25-30 °C in well closed container		

Test	Result
Appearance	-
Solubility	-
1H-NMR	Conforms to structure
MASS	Conforms to structure
Chromatographic Purity	>90%

**Note: This material should be used for research purpose and not for human or animal consumption. Any patent applicable for this product in any country is not applicable for this analytical standard/research chemical.**

	Prepared By	Checked By	Approved By
Signature			
Date			

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