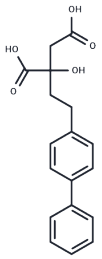
Data Sheet (Cat.No.T86803)

TargetMol

LBA-3

Chemical Properties



CAS No. : 2918263-09-7

Formula: C18H18O5

Molecular Weight: 314.33

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	LBA-3, a selective and orally active inhibitor of the sodium-coupled citrate transporter SLC13A5, exhibits an IC50 of 67 nM. This compound effectively reduces triglyceride and total cholesterol levels in both oleic and palmitic acid (OPA)-stimulated AML12 cells and PCN-stimulated primary mouse hepatocytes, as well as in mouse models, without showing detectable toxicity. Additionally, LBA-3 is permeable to the blood-brain barrier [1].
Targets(IC50)	Sodium Channel
In vivo	In Sprague Dawley rats, the pharmacokinetic profile of LBA-3 (50 mg/kg, oral, single dose) shows a peak plasma concentration (C max) of 288262.00 μg/L, an AUC of 704570.43 h/μg-1·L, and an oral bioavailability of 48.67% [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1814 mL	15.9068 mL	31.8137 mL
5 mM	0.6363 mL	3.1814 mL	6.3627 mL
10 mM	0.3181 mL	1.5907 mL	3.1814 mL
50 mM	0.0636 mL	0.3181 mL	0.6363 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.

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