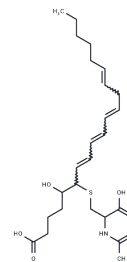


N-acetyl Leukotriene E4

Chemical Properties

CAS No. :	80115-95-3
Formula:	C ₂₅ H ₃₉ NO ₆ S
Molecular Weight:	481.65
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	N-acetyl Leukotriene E4 is an endogenous metabolite of Leukotriene E4, which is excreted mainly through bile, and is one to three orders of magnitude less active than Leukotriene E4, causing constriction of the airways.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	PBS pH 7.2: < 1 mg/mL (insoluble) DMF: 20 mg/mL (41.52 mM), Sonication is recommended. Ethanol: 20 mg/mL (41.52 mM), Sonication is recommended. DMSO: 20 mg/mL (41.52 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	2.0762 mL	10.381 mL	20.762 mL
5 mM	0.4152 mL	2.0762 mL	4.1524 mL
10 mM	0.2076 mL	1.0381 mL	2.0762 mL
50 mM	0.0415 mL	0.2076 mL	0.4152 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

Uemura M, et al., Cysteinyl leukotrienes in the urine of patients with liver diseases. Hepatology. 1994 Oct;20(4 Pt 1):804-12.

Siren AL, et al., N-acetyl-leukotriene E4 is a potent constrictor of rat mesenteric vessels. Eur J Pharmacol. 1988 Feb 9;146(2-3):331-5.

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