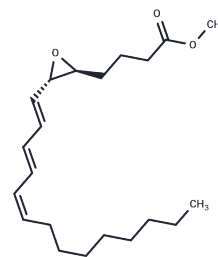


## Leukotriene A3 methyl ester

## Chemical Properties

CAS No. :	83851-38-1
Formula:	C <sub>21</sub> H <sub>34</sub> O <sub>3</sub>
Molecular Weight:	334.49
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	Biosynthesis of LTA <sub>3</sub> occurs from 5,8,11-eicosatrienoic acid via the 5-LO pathway and it is the putative intermediate in the biosynthesis of 3-series leukotrienes. LTA <sub>3</sub> as a free acid is highly unstable. The methyl ester is stable and can be readily hydrolyzed to the free acid as needed.
Targets(IC50)	Others,Lipoxygenase

## Solubility Information

Solubility	PBS (pH 7.2): >1 mg/mL (from 13(S)-HODE),Sonication is recommended. DMSO: >50 mg/mL (per Rao Maddipati),Sonication is recommended. Ethanol: >50 mg/mL (per Rao Maddipati),Sonication is recommended. DMF: >50 mg/mL (per Rao Maddipati),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	2.9896 mL	14.9481 mL	29.8963 mL
5 mM	0.5979 mL	2.9896 mL	5.9793 mL
10 mM	0.299 mL	1.4948 mL	2.9896 mL
50 mM	0.0598 mL	0.299 mL	0.5979 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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