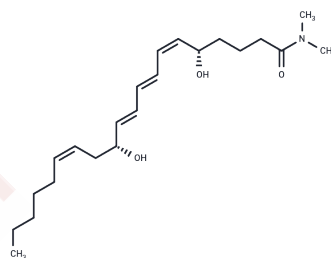


Leukotriene B4 dimethyl amide

Chemical Properties

CAS No. :	83024-92-4
Formula:	C ₂₂ H ₃₇ N ₃ O
Molecular Weight:	363.53
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	LTB ₄ dimethyl amide is a moderate inhibitor of LTB ₄ -induced degranulation of human neutrophils (K _i = 130 nM) and lysozyme release from rat PMNL. LTB ₄ dimethyl amide appears to be an antagonist of the LTB ₄ receptor on guinea pig lung membranes.
Targets(IC ₅₀)	Others, Leukotriene Receptor

Solubility Information

Solubility	PBS (pH 7.2): >1 mg/mL (from 13(S)-HODE), Sonication is recommended. DMF: >50 mg/mL (per Rao Maddipati), Sonication is recommended. Ethanol: >50 mg/mL (per Rao Maddipati), Sonication is recommended. DMSO: >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	2.7508 mL	13.754 mL	27.508 mL
5 mM	0.5502 mL	2.7508 mL	5.5016 mL
10 mM	0.2751 mL	1.3754 mL	2.7508 mL
50 mM	0.055 mL	0.2751 mL	0.5502 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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