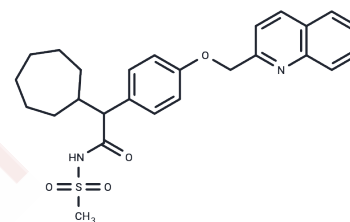


LTB4-IN-1

## Chemical Properties

CAS No. : 133012-00-7  
 Formula: C<sub>26</sub>H<sub>30</sub>N<sub>2</sub>O<sub>4</sub>S  
 Molecular Weight: 466.59  
 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	LTB4-IN-1 (Anti-inflammatory agent 2) with IC <sub>50</sub> of 70 nM is an inhibitor of leukotriene synthesis (LTB <sub>4</sub> ).
Targets(IC <sub>50</sub> )	LTR,Leukotriene Receptor
In vitro	Leukotriene acts as a mediator for various inflammatory and allergic conditions due to its various pro-inflammatory properties.

## Solubility Information

Solubility	DMSO: 125 mg/mL (267.9 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1432 mL	10.716 mL	21.4321 mL
5 mM	0.4286 mL	2.1432 mL	4.2864 mL
10 mM	0.2143 mL	1.0716 mL	2.1432 mL
50 mM	0.0429 mL	0.2143 mL	0.4286 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

Hatzelmann A, et al. Inversely-correlated inhibition of human 5-lipoxygenase activity by BAY X1005 and other quinoline derivatives in intact cells and a cell-free system--implications for the function of 5-lipoxygenase activating protein. *Biochem Pharmacol.* 1994 Jun 15;47(12):2259-68.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481