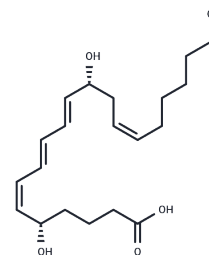


## 20-hydroxy Leukotriene B4

## Chemical Properties

CAS No. :	79516-82-8
Formula:	C <sub>20</sub> H <sub>32</sub> O <sub>5</sub>
Molecular Weight:	352.471
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	20-hydroxy LTB <sub>4</sub> is a metabolite of LTB <sub>4</sub> in human neutrophils. In human leukocytes, LTB <sub>4</sub> is inactivated by the enzyme LTB <sub>4</sub> 20-hydroxylase. 20-hydroxy LTB <sub>4</sub> is not only much less active (~5%) compared to LTB <sub>4</sub> in causing degranulation of PMNL, but actually inhibits LTB <sub>4</sub> -induced degranulation of human neutrophils (K <sub>i</sub> = 13.3 nM). However, 20-hydroxy LTB <sub>4</sub> is as active as LTB <sub>4</sub> in contracting parenchymal strips from guinea pig lung. 20-hydroxy LTB <sub>4</sub> retains considerable ligand binding affinity at the BLT <sub>2</sub> receptor, but does not appear to function as an agonist.
Targets(IC <sub>50</sub> )	Others,Endogenous Metabolite

## Solubility Information

Solubility	Ethanol: >50 mg/mL (per Rao Maddipati),Sonication is recommended. DMF: >50 mg/mL (per Rao Maddipati),Sonication is recommended. DMSO: >50 mg/mL (per Rao Maddipati),Sonication is recommended. PBS (pH 7.2): >1 mg/mL (from 13(S)-HODE),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	2.8371 mL	14.1856 mL	28.3712 mL
5 mM	0.5674 mL	2.8371 mL	5.6742 mL
10 mM	0.2837 mL	1.4186 mL	2.8371 mL
50 mM	0.0567 mL	0.2837 mL	0.5674 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**

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