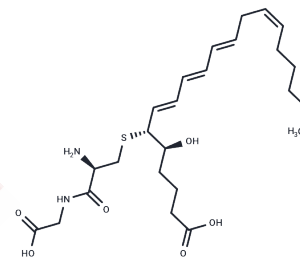


## 11-trans Leukotriene D4

## Chemical Properties

CAS No. :	79768-40-4
Formula:	C <sub>25</sub> H <sub>40</sub> N <sub>2</sub> O <sub>6</sub> S
Molecular Weight:	496.66
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	11-trans Leukotriene D4 (11-trans LTD4) is a C-11 double bond isomer of LTD4. LTD4 undergoes slow temperature-dependent isomerization to 11-trans LTD4 during storage. 11-trans LTD4 retains about 10-25% of the potency for contraction of guinea pig ileum, trachea, and parenchyma compared to LTD4. It exhibits an ED50 ranging between 12-60 nM for contraction of guinea pig trachea.
Targets(IC50)	Others

## Solubility Information

Solubility	DMF: >50 mg/mL (per Ramki Iyer), Sonication is recommended. DMSO: >50 mg/mL (per Ramki Iyer), Sonication is recommended. PBS (pH 7.2): >100 µg/mL (per Ramki Iyer), Sonication is recommended. Ethanol: >50 mg/mL (per Ramki Iyer), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0134 mL	10.0672 mL	20.1345 mL
5 mM	0.4027 mL	2.0134 mL	4.0269 mL
10 mM	0.2013 mL	1.0067 mL	2.0134 mL
50 mM	0.0403 mL	0.2013 mL	0.4027 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

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