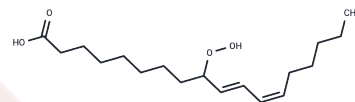


**(±)9-HpODE****Chemical Properties**

CAS No. :	5502-91-0
Formula:	C18H32O4
Molecular Weight:	312.44
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	(±)9-HpODE is a racemic mixture of the fatty acid hydroperoxide product (9(S)-HpODE) formed from lipoxygenase action on linoleic acid. It shows antimicrobial activity against various fungal and bacterial pathogens and thus may play a role in plant defense. In mammalian species, monocyte-induced oxidization of LDL generates significant amounts of esterified 9-HpODE, which is rapidly reduced to 9-HODE.
Targets(IC50)	Others, Antibacterial, Parasite, Antifungal

**Solubility Information**

Solubility	DMF: >50 mg/mL (per 9(S)-HpODE), Sonication is recommended. DMSO: >50 mg/mL (per 9(S)-HpODE), Sonication is recommended. PBS (pH 7.2): >1 mg/mL (from 13(S)-HODE), Sonication is recommended. Ethanol: >50 mg/mL (per 9(S)-HpODE), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

**Preparing Stock Solutions**

	1mg	5mg	10mg
1 mM	3.2006 mL	16.0031 mL	32.0061 mL
5 mM	0.6401 mL	3.2006 mL	6.4012 mL
10 mM	0.3201 mL	1.6003 mL	3.2006 mL
50 mM	0.064 mL	0.3201 mL	0.6401 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