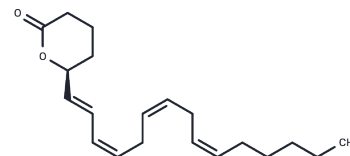


5(S)-HETE lactone

Chemical Properties

CAS No. :	127708-42-3
Formula:	C ₂₀ H ₃₀ O ₂
Molecular Weight:	302.45
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	5(S)-HETE lactone is a cyclic ester formed by acid-catalyzed nucleophilic addition of the C-5 hydroxyl to the C-1 carboxyl of 5(S)-HETE. The ability of (±)5-HETE lactone to inhibit rat basophilic leukemia cell 5-lipoxygenase (IC ₅₀ = 27 μM) may be entirely due to the 5(S) isomer, but the enantiomers have not been tested separately.
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Solubility Information

Solubility	DMSO: >50 mg/mL (per Rao Maddipati) Ethanol: >50 mg/mL (per Rao Maddipati) DMF: >50 mg/mL (per Rao Maddipati) PBS (pH 7.2): >1 mg/mL (from 13(S)-HODE) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3063 mL	16.5317 mL	33.0633 mL
5 mM	0.6613 mL	3.3063 mL	6.6127 mL
10 mM	0.3306 mL	1.6532 mL	3.3063 mL
50 mM	0.0661 mL	0.3306 mL	0.6613 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.

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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