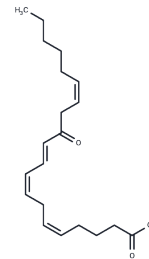


12-OxoETE

Chemical Properties

CAS No. :	108437-64-5
Formula:	C ₂₀ H ₃₀ O ₃
Molecular Weight:	318.45
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	12-OxoETE is an endogenous metabolite formed during the metabolism of arachidonic acid and is present in human platelets and Aplysia nervous tissue .12-KETE induces transient changes and aggregation of intracytoplasmic free calcium ion concentration via leukotriene B4 (LTB4) receptor or coactivation sequences to achieve a rapid and dose-dependent increase.
Targets(IC50)	Endogenous Metabolite,LTR

Solubility Information

Solubility	PBS (pH 7.2): < 1 mg/ml (slightly soluble or insoluble),Sonication is recommended. DMF: 1 mg/mL (3.14 mM),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	3.1402 mL	15.7011 mL	31.4021 mL
5 mM	0.628 mL	3.1402 mL	6.2804 mL
10 mM	0.314 mL	1.5701 mL	3.1402 mL
50 mM	0.0628 mL	0.314 mL	0.628 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

Naccache PH, et al. Calcium mobilization and right-angle light scatter responses to 12-oxo-derivatives of arachidonic acid in neutrophils: evidence for the involvement of the leukotriene B4 receptor. *Biochim Biophys Acta*. 1991 Dec 3;1133(1):102-6.

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