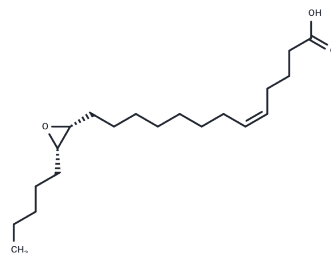


14,15-EE-5(Z)-E

Chemical Properties

CAS No. : 519038-92-7
Formula: C₂₀H₃₆O₃
Molecular Weight: 324.505
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Epoxyeicosatrienoic acids (EETs), such as 11(12)-EET and 14(15)-EET, are cytochrome P450 metabolites of arachidonic acid that have been identified as endothelium-derived hyperpolarizing factors with vasodilator activity. 14,15-EE-5(Z)-E is a structural analog of 14,15-epoxyeicosatrienoic acids (14,15-EET) that antagonizes EET-induced relaxation of vascular smooth muscle. Relaxation of U46619-constricted bovine arteries by 14,15-EET could be inhibited approximately 80% by 14,15-EE-5(Z)-E at a concentration of 10 μ M. 14,15-EE-5(Z)-E does not appear to antagonize nitric oxide- or iloprost-mediated vascular relaxation.
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Solubility Information

Solubility	DMF: 10 mg/mL PBS (pH 7.2): 0.5 mg/mL DMSO: 10 mg/mL Ethanol: 50 mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0816 mL	15.4078 mL	30.8157 mL
5 mM	0.6163 mL	3.0816 mL	6.1631 mL
10 mM	0.3082 mL	1.5408 mL	3.0816 mL
50 mM	0.0616 mL	0.3082 mL	0.6163 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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