

17(R,S)-Benzo-Resolvin D1

Chemical Properties

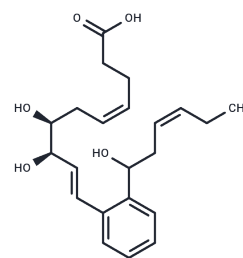
CAS No. :

Formula: C₂₂H₃₀O₅

Molecular Weight: 374.50

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	Benzo-resolvin D1 (benzo-RvD1), a derivative of the specialized pro-resolving mediator (SPM) RvD1, effectively reduces PDGF-BB-induced cytoskeletal alterations and PDGF-triggered migration in isolated human vascular smooth muscle cells (VSMCs) at 10 and 100 nM concentrations. Additionally, at a 10 nM concentration, benzo-RvD1 inhibits p65 nuclear translocation in human umbilical vein endothelial cells (HUVECs) and enhances phagocytosis of <i>S. aureus</i> and zymosan particles by RAW 264.7 cells.
Targets(IC50)	Others

Solubility Information

Solubility	Ethanol: 1 mg/mL (2.67 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	2.6702 mL	13.3511 mL	26.7023 mL
5 mM	0.534 mL	2.6702 mL	5.3405 mL
10 mM	0.267 mL	1.3351 mL	2.6702 mL
50 mM	0.0534 mL	0.267 mL	0.534 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

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