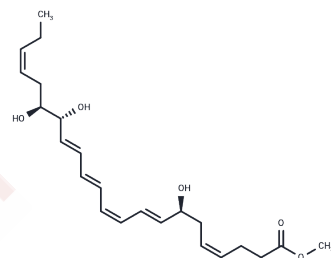


Resolvin D2 methyl ester

Chemical Properties

CAS No. :	810668-53-2
Formula:	C ₂₃ H ₃₄ O ₅
Molecular Weight:	390.52
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	Resolvin D2 (RvD2) is a lipid mediator biosynthesized by the sequential oxygenation of docosahexaenoic acid by 15- and 5-lipoxygenase. It evokes diverse anti-inflammatory effects which may mediate the resolution of inflammation. RvD2 methyl ester is a methyl ester version of the free acid which may act as a lipophilic prodrug form that will alter its distribution and pharmacokinetic properties. The methyl ester moiety is susceptible to cleavage by intracellular esterases, leaving the free acid.
Targets(IC50)	Others,Endogenous Metabolite,TRP/TRPV Channel

Solubility Information

Solubility	DMF: 50 mg/mL (128.03 mM),Sonication is recommended. PBS (pH 7.2): 0.05 mg/mL (0.13 mM),Sonication is recommended. Ethanol: 50 mg/mL (128.03 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	2.5607 mL	12.8034 mL	25.6069 mL
5 mM	0.5121 mL	2.5607 mL	5.1214 mL
10 mM	0.2561 mL	1.2803 mL	2.5607 mL
50 mM	0.0512 mL	0.2561 mL	0.5121 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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