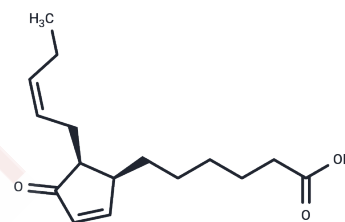


dinor-12-oxo Phytodienoic Acid

Chemical Properties

CAS No. :	197247-23-7
Formula:	C ₁₆ H ₂₄ O ₃
Molecular Weight:	264.365
Storage:	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	1dinor-12-oxo-Phytodienoic acid (dinor-OPDA) serves as an intermediate in the biosynthesis of jasmonic acid from hexadecatrienoic acid, playing a crucial role in the jasmonate pathway in plants. This pathway oxygenates and modifies certain unsaturated fatty acids to produce plant hormones critical for processes such as senescence, flower development, mechanotransduction, and response to herbivory. Additionally, dinor-OPDA can be incorporated into glycerolipids and galactolipids, including specific arabidopsides.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7826 mL	18.9129 mL	37.8258 mL
5 mM	0.7565 mL	3.7826 mL	7.5652 mL
10 mM	0.3783 mL	1.8913 mL	3.7826 mL
50 mM	0.0757 mL	0.3783 mL	0.7565 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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