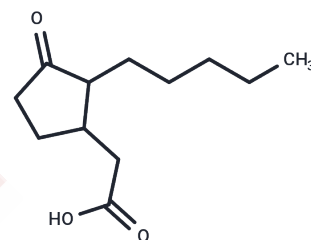


Dihydrojasmonic acid

Chemical Properties

CAS No. :	3572-64-3
Formula:	C ₁₂ H ₂₀ O ₃
Molecular Weight:	212.29
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	Dihydrojasmonic acid is a plant growth regulator belonging to the jasmonate family. These molecules act as vital signaling compounds in plants, playing essential roles in regulating development, mediating responses to environmental stresses (such as pathogen defense, salt, or drought tolerance), and influencing the biosynthesis of secondary metabolites.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 80 mg/mL (376.84 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	4.7105 mL	23.5527 mL	47.1054 mL
5 mM	0.9421 mL	4.7105 mL	9.4211 mL
10 mM	0.4711 mL	2.3553 mL	4.7105 mL
50 mM	0.0942 mL	0.4711 mL	0.9421 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

Spitznagle LA, et al. Metabolism of the plant growth regulator 2,35-triiodobenzoic acid in soybeans. J Pharm Sci. 1969;58(10):1234-1237.

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