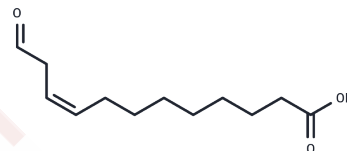


12-oxo-9(Z)-Dodecenoic Acid

Chemical Properties

CAS No. :	60485-39-4
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	12-oxo-9(Z)-Dodecenoic acid, an ω -oxoacid metabolite derived from the ω -6 PUFA linoleic acid and the ω -3 PUFA α -linolenic acid, is synthesized in plants through the action of lipoxygenase on these PUFAs, forming 13-hydroperoxy intermediates that are subsequently processed by hydroperoxide lyase. This compound exhibits activity (at 100 μ M) against the plant pathogenic oomycete <i>P. parasitica</i> .
Targets(IC50)	Others

Solubility Information

Solubility	Acetonitrile: Soluble (< 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481