

Meliadubin B

Chemical Properties

CAS No. :

Formula: C₃₀H₄₈O₄

Molecular Weight: 472.7

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	Meliadubin B, a natural triterpenoid, effectively inhibits inflammatory responses by suppressing superoxide anion generation in human neutrophils (EC 50 of 5.54 μ M) as well as inducible nitric oxide synthase activity. Additionally, it demonstrates significant antifungal properties against the rice pathogen <i>Magnaporthe oryzae</i> , with an IC 50 of 182.50 μ M.
Targets(IC50)	NO Synthase, Antifungal

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1155 mL	10.5775 mL	21.1551 mL
5 mM	0.4231 mL	2.1155 mL	4.231 mL
10 mM	0.2116 mL	1.0578 mL	2.1155 mL
50 mM	0.0423 mL	0.2116 mL	0.4231 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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