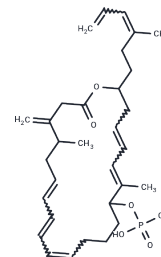


Difficidin

Chemical Properties

CAS No. :	95152-88-8
Formula:	C ₃₁ H ₄₅ O ₆ P
Molecular Weight:	544.66
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	Difficidin, an antibiotic produced by <i>Bacillus velezensis</i> , exhibits broad-spectrum antimicrobial activity by inhibiting protein biosynthesis. It effectively controls plant pathogens such as <i>Erwinia amylovora</i> (the causative agent of orchard fire blight) and <i>Xanthomonas oryzae</i> (a pathogen of rice disease).
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.836 mL	9.180 mL	18.3601 mL
5 mM	0.3672 mL	1.836 mL	3.672 mL
10 mM	0.1836 mL	0.918 mL	1.836 mL
50 mM	0.0367 mL	0.1836 mL	0.3672 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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