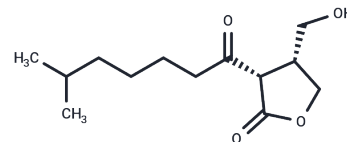


Streptomyces A-Factor

Chemical Properties

CAS No. :	51311-41-2
Formula:	C ₁₃ H ₂₂ O ₄
Molecular Weight:	242.315
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Streptomyces A-Factor is a microbial hormone found in <i>Streptomyces griseus</i> . A-factor triggers streptomycin biosynthesis and cell differentiation by binding a repressor-type receptor protein (ArpA) and dissociating it from DNA.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1268 mL	20.6339 mL	41.2677 mL
5 mM	0.8254 mL	4.1268 mL	8.2535 mL
10 mM	0.4127 mL	2.0634 mL	4.1268 mL
50 mM	0.0825 mL	0.4127 mL	0.8254 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.

Reference

Matselyukh B, Mohammadipanah F, Laatsch H, Rohr J, Efremenkova O, Khilya V. N-methylphenylalanyl-dehydrobutyryne diketopiperazine, an A-factor mimic that restores antibiotic biosynthesis and morphogenesis in

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