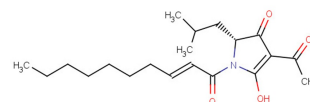


Reutericyclin

Chemical Properties

CAS No.:	303957-69-9
Formula:	C ₂₀ H ₃₁ NO ₄
Molecular Weight:	349.46
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Reutericyclin is a unique tetramic acid, is an antibiotic produced by some strains of <i>Lactobacillus reuteri</i> .
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.862 mL	14.308 mL	28.616 mL
5 mM	0.572 mL	2.862 mL	5.723 mL
10 mM	0.286 mL	1.431 mL	2.862 mL
50 mM	0.057 mL	0.286 mL	0.572 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Lin XB, et al. Genetic determinants of reutericyclin biosynthesis in *Lactobacillus reuteri*. *Appl Environ Microbiol.* 2015 Mar;81(6):2032-41.
2. Gänzle MG, et al. Characterization of reutericyclin produced by *Lactobacillus reuteri* LTH2584. *Appl Environ Microbiol.* 2000 Oct;66(10):4325-33.

Inhibitors · Natural Compounds · Compound Libraries

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