Proteins

Screening Libraries

Product Data Sheet

3-Formyl rifamycin

Cat. No.: HY-129043 CAS No.: 13292-22-3 Molecular Formula: C₃₈H₄₇NO₁₃ Molecular Weight: 725.78 Antibiotic Target: Pathway: Anti-infection

Storage: Powder 3 years 2 years

-80°C In solvent 6 months

-20°C

-20°C 1 month

SOLVENT & SOLUBILITY

In Vitro

DMSO: 62.5 mg/mL (86.11 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Mass Concentration	1 mg	5 mg	10 mg
	1 mM	1.3778 mL	6.8891 mL	13.7783 mL
	5 mM	0.2756 mL	1.3778 mL	2.7557 mL
	10 mM	0.1378 mL	0.6889 mL	1.3778 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- 1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (2.87 mM); Clear solution
- 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.08 mg/mL (2.87 mM); Suspended solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

3-Formyl rifamycin is an intermediate of Rifampicin.

Caution: Product has not been fully validated for medical applications. For research use only.

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