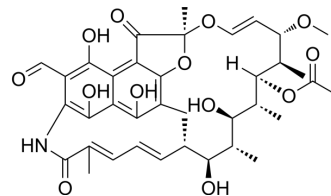


3-Formyl rifamycin

Cat. No.:	HY-129043		
CAS No.:	13292-22-3		
Molecular Formula:	C ₃₈ H ₄₇ NO ₁₃		
Molecular Weight:	725.78		
Target:	Antibiotic		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

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

Preparing Stock Solutions	Solvent Concentration	Mass		
		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

- 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
- 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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