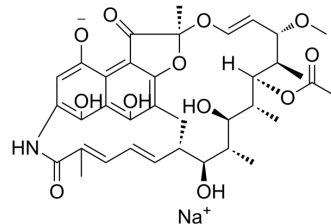


Rifamycin sodium

Cat. No.:	HY-B1907
CAS No.:	14897-39-3
Molecular Formula:	C ₃₇ H ₄₆ NNaO ₁₂
Molecular Weight:	719.75
Target:	Bacterial; Antibiotic
Pathway:	Anti-infection
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (347.34 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		1.3894 mL	6.9469 mL	13.8937 mL
		5 mM		0.2779 mL	1.3894 mL	2.7787 mL
10 mM		0.1389 mL	0.6947 mL	1.3894 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 (2.89 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (2.89 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Rifamycin sodium (Rifamycin SV monosodium) belongs to the family of ansamycin antibiotics and has been isolated from the fermentation of <i>A. mediterranei</i> or its mutants. Rifamycin sodium displays a broad spectrum of antibiotic activity against Gram-positive and, to a lesser extent, Gram-negative bacteria ^[1] .
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REFERENCES

[1]. Floss HG, et al. Rifamycin-mode of action, resistance, and biosynthesis. Chem Rev. 2005 Feb;105(2):621-32.

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

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