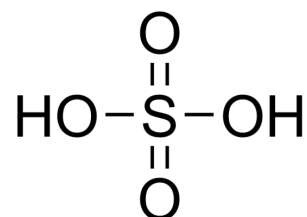


Ristomycin sulfate

Cat. No.:	HY-131150
CAS No.:	11140-99-1
Molecular Formula:	C ₉₅ H ₁₁₀ N ₈ O ₄₄ ·H ₂ SO ₄
Molecular Weight:	2166
Target:	Antibiotic
Pathway:	Anti-infection
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

Ristomycin



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (46.17 mM; ultrasonic and warming and heat to 60°C)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		0.4617 mL	2.3084 mL	4.6168 mL
		5 mM		0.0923 mL	0.4617 mL	0.9234 mL
		10 mM		0.0462 mL	0.2308 mL	0.4617 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: ≥ 2.5 mg/mL (1.15 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (1.15 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (1.15 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Ristomycin sulfate is a glycopeptide antibiotic isolated from <i>Nocardia lurida</i> ^[1] .
IC₅₀ & Target	Glycopeptide

REFERENCES

[1]. M C Berndt, et al. Ristocetin-dependent reconstitution of binding of von Willebrand factor to purified human platelet membrane glycoprotein Ib-IX complex.

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

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