



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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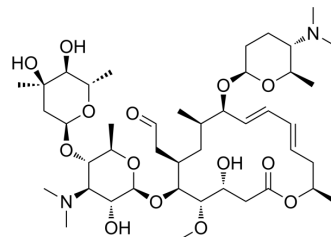
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Spiramycin I

Cat. No.:	HY-N7141	
CAS No.:	24916-50-5	
Molecular Formula:	C ₄₃ H ₇₄ N ₂ O ₁₄	
Molecular Weight:	843.05	
Target:	Parasite; Antibiotic; Bacterial	
Pathway:	Anti-infection	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (118.62 mM; Need ultrasonic)																													
	Preparing Stock Solutions	<table border="1"> <thead> <tr> <th>Solvent</th> <th>Mass</th> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td>Concentration</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1 mM</td> <td></td> <td>1.1862 mL</td> <td>5.9308 mL</td> <td>11.8617 mL</td> </tr> <tr> <td>5 mM</td> <td></td> <td>0.2372 mL</td> <td>1.1862 mL</td> <td>2.3723 mL</td> </tr> <tr> <td>10 mM</td> <td></td> <td>0.1186 mL</td> <td>0.5931 mL</td> <td>1.1862 mL</td> </tr> </tbody> </table>	Solvent	Mass	1 mg	5 mg	10 mg	Concentration					1 mM		1.1862 mL	5.9308 mL	11.8617 mL	5 mM		0.2372 mL	1.1862 mL	2.3723 mL	10 mM		0.1186 mL	0.5931 mL	1.1862 mL			
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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 (2.97 mM); Clear solution																													
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (2.97 mM); Clear solution																													
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (2.97 mM); Clear solution																													

BIOLOGICAL ACTIVITY

Description	Spiramycin I is a macrolide antibiotic and antiparasitic ^[1] .
IC ₅₀ & Target	Macrolide

REFERENCES

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

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