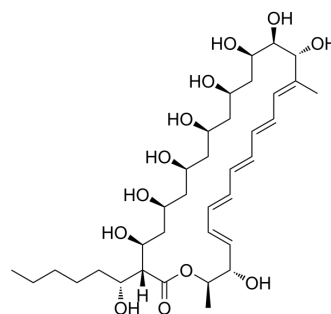


Lagosin

Cat. No.:	HY-106681
CAS No.:	6834-98-6
Molecular Formula:	C ₃₅ H ₅₈ O ₁₂
Molecular Weight:	670.83
Target:	Antibiotic; Fungal
Pathway:	Anti-infection
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (74.53 mM; ultrasonic and warming and heat to 60°C)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	1.4907 mL	7.4535 mL	14.9069 mL
				5 mM	0.2981 mL	1.4907 mL	2.9814 mL
10 mM				0.1491 mL	0.7453 mL	1.4907 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 (3.73 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	Lagosin (Fungichromin) is a polyene macrolide antibiotic. Lagosin has demonstrated broad-spectrum antifungal activity and is impervious to agent resistance ^[1] .
IC ₅₀ & Target	Macrolide
In Vitro	Lagosin production by <i>Streptomyces</i> sp. WP-1, an endophyte from <i>Pinus dabeshanensis</i> , and its antifungal activity against <i>Fusarium oxysporum</i> ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Peng C, et al. Fungichromin production by *Streptomyces* sp. WP-1, an endophyte from *Pinus dabeshanensis*, and its antifungal activity against *Fusarium oxysporum*.

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

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