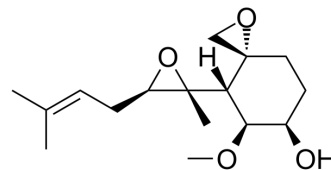


Fumagillol

Cat. No.:	HY-103643		
CAS No.:	108102-51-8		
Molecular Formula:	C ₁₆ H ₂₆ O ₄		
Molecular Weight:	282.38		
Target:	Bacterial		
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 : 100 mg/mL (354.13 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.5413 mL	17.7066 mL	35.4133 mL
		5 mM	0.7083 mL	3.5413 mL	7.0827 mL
10 mM		0.3541 mL	1.7707 mL	3.5413 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (8.85 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (8.85 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (8.85 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	Fumagillol is a direct precursor of fumagillin. Fumagillin, as an antimicrobial agent, is a potent and selective inhibitor of angiogenesis ^[1] .
In Vitro	Fumagillol derivatives have no significant cytotoxic effect on CHO cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Bedel, O., et al. "Syntheses of antiangiogenic or cytotoxic natural products: Fumagillin and bengacarboline" Pure and Applied Chemistry, vol. 77, no. 7, 2005, pp. 1139-1152.

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

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