Fumagillol

Cat. No.:	HY-103643			
646 M	100100 51	2		
CAS No.:	108102-51-8	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	

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SOLVENT & SOLUBILITY

n Vitro	DMSO : 100 mg/mL (3	DMSO : 100 mg/mL (354.13 mM; Need ultrasonic)						
Preparing Stock Solutions		Solvent Mass Concentration	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 so	lubility information to select the app	propriate solvent.					
n Vivo	1. Add each solvent Solubility: ≥ 2.5 m	G300 >> 5% Tween-8	0 >> 45% saline					
Solubility 3. Add each		2. 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						
		3. 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.				

ΌН

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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