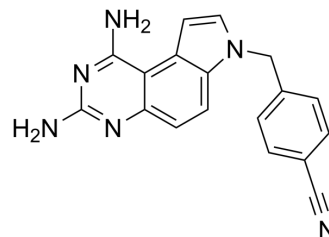


Antibacterial agent 27

Cat. No.:	HY-141829		
CAS No.:	65795-51-9		
Molecular Formula:	C ₁₈ H ₁₄ N ₆		
Molecular Weight:	314.34		
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 (318.13 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.1813 mL	15.9063 mL	31.8127 mL
		5 mM	0.6363 mL	3.1813 mL	6.3625 mL
10 mM		0.3181 mL	1.5906 mL	3.1813 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 (7.95 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (7.95 mM); Suspended solution; Need ultrasonic				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (7.95 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Antibacterial agent 27 is a potent antibacterial compound against <i>Candida</i> species ^[1] .
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REFERENCES

[1]. RA Castaldo, et al. Activity of 2,4-diaminoquinazoline compounds against *Candida* species. *Antimicrob Agents Chemother.* 1979 Jan;15(1):81-6.

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

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