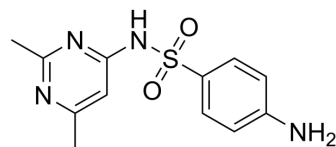


Sulfisomidin

Cat. No.:	HY-B1784		
CAS No.:	515-64-0		
Molecular Formula:	C ₁₂ H ₁₄ N ₄ O ₂ S		
Molecular Weight:	278.33		
Target:	Bacterial; Antibiotic		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (359.29 mM; Need ultrasonic)					
		Solvent Concentration	Mass	1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM		3.5929 mL	17.9643 mL	35.9286 mL
		5 mM		0.7186 mL	3.5929 mL	7.1857 mL
		10 mM		0.3593 mL	1.7964 mL	3.5929 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 (8.98 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (8.98 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Sulfisomidin (Sulfaisodimidine) is an orally active short-acting sulfonamide antibacterial. Sulfisomidin can be used for the research of lower urinary tract infections ^{[1][2]} .
In Vitro	Sulfisomidin (Sulfaisodimidine) is a short-acting antibacterial agent ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Bridges JW, et al. Species differences in the metabolism and excretion of sulphasomidine and sulphamethomidine. *Biochem J.* 1969 Jan;111(2):173-9.

[2]. Melander A, et, al. Therapeutic equivalence of sulfaisodimidine 2 g twice daily and 1 g four times daily in lower urinary tract infections. *Acta Med Scand.* 1982;211(5):361-4.

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

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