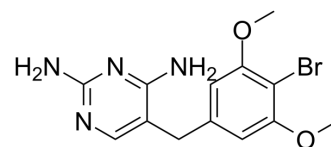


Brodimoprim

Cat. No.:	HY-121341
CAS No.:	56518-41-3
Molecular Formula:	C ₁₃ H ₁₅ BrN ₄ O ₂
Molecular Weight:	339.19
Target:	Bacterial
Pathway:	Anti-infection
Storage:	-20°C, protect from light, stored under argon * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under argon)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 33.33 mg/mL (98.26 mM; Need ultrasonic)				
		Solvent	Mass		
		Concentration	1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.9482 mL	14.7410 mL	29.4820 mL
		5 mM	0.5896 mL	2.9482 mL	5.8964 mL
		10 mM	0.2948 mL	1.4741 mL	2.9482 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 (7.37 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (7.37 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Brodimoprim (Ro 10-5970), a trimethoprim analogue, is an orally active dihydrofolate reductase inhibitor. Brodimoprim is highly active against a broad spectrum of gram-negative and gram-positive bacteria ^[1] .
--------------------	--

REFERENCES

[1]. Weidekamm E. Pharmacokinetics of brodimoprim. J Chemother. 1993;5(6):475-479.

[2]. Marchese A, et al. Brodimoprim: effects of subminimal inhibitory concentrations on virulence traits of respiratory and urinary tract pathogens, and on plasmid transfer and stability. J Chemother. 1996;8(3):171-177.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA