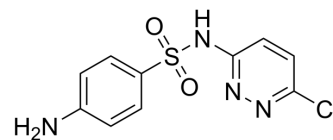


Sulfachloropyridazine

Cat. No.:	HY-B1781		
CAS No.:	80-32-0		
Molecular Formula:	C ₁₀ H ₉ ClN ₄ O ₂ S		
Molecular Weight:	284.72		
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 : 200 mg/mL (702.44 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.5122 mL	17.5611 mL	35.1222 mL
	5 mM	0.7024 mL	3.5122 mL	7.0244 mL
	10 mM	0.3512 mL	1.7561 mL	3.5122 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 5 mg/mL (17.56 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 5 mg/mL (17.56 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Sulfachloropyridazine is a broad spectrum sulfonamide used against both Gram-positive and Gram-negative aerobic bacteria.

CUSTOMER VALIDATION

- Chemosphere. 2019 Jun;225:378-387.

REFERENCES

[1]. Dirany A, et al. Electrochemical treatment of the antibiotic sulfachloropyridazine: kinetics, reaction pathways, and toxicity evolution. Environ Sci Technol. 2012 Apr 3;46(7):4074-82.

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