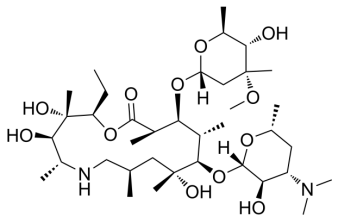
Azathramycin

Cat. No.:	HY-17442
CAS No.:	76801-85-9
Molecular Formula:	$C_{37}H_{70}N_2O_{12}$
Molecular Weight:	734.96
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 : 33.33 mg/mL (45.35 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	1.3606 mL	6.8031 mL	13.6062 mL
	5 mM	0.2721 mL	1.3606 mL	2.7212 mL
	10 mM	0.1361 mL	0.6803 mL	1.3606 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 (3.40 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (3.40 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (3.40 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Azathramycin (Azaerythromycin A) is an antibiotic and targets ribosome[1].

REFERENCES

[1]. John P. Santa Maria, Jr., et al. Linking High-Throughput Screens to Identify MoAs and Novel Inhibitors of Mycobacterium tuberculosis Dihydrofolate Reductase. ACS

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