

## Azomycin

## Chemical Properties

CAS No. :	527-73-1
Formula:	C <sub>3</sub> H <sub>3</sub> N <sub>3</sub> O <sub>2</sub>
Molecular Weight:	113.075
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.

## Biological Description

Description	Azomycin (Ro 05-9129) is an antimicrobial antibiotic produced by a strain of <i>Nocardia mesenterica</i> .
Targets(IC50)	Antibacterial,Antibiotic

## Solubility Information

Solubility	Ethanol: < 1 mg/mL (insoluble or slightly soluble), DMSO: 22.00 mg/mL (194.56 mM),Sonication is recommended. H <sub>2</sub> O: < 1 mg/mL (insoluble or slightly soluble), (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2.00 mg/mL (17.69 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	8.8433 mL	44.2165 mL	88.433 mL
5 mM	1.7687 mL	8.8433 mL	17.6866 mL
10 mM	0.8843 mL	4.4216 mL	8.8433 mL
50 mM	0.1769 mL	0.8843 mL	1.7687 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Kumar P, Emami S, McEwan AJ, Wiebe LI. Bioorg Med Chem Lett. 2008 Jun 1;18(11):3256-60.  
Li XF, et al. Eur J Nucl Med Mol Imaging. 2010 Feb;37(2):339-48.

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Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481