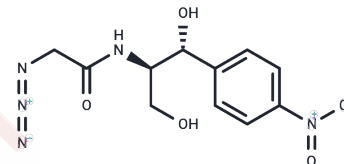


## Azidamfenicol

## Chemical Properties

CAS No. :	13838-08-9
Formula:	C <sub>11</sub> H <sub>13</sub> N <sub>5</sub> O <sub>5</sub>
Molecular Weight:	295.25
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	Azidamfenicol inhibits ribosomal peptidyltransferase with a $K_i$ of 22 $\mu$ M. Azidamfenicol is a broad-spectrum chloramphenicol-like antibiotic.
Targets(IC50)	Antibacterial, Antibiotic

## Solubility Information

Solubility	DMSO: 55 mg/mL (186.28 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.387 mL	16.9348 mL	33.8696 mL
5 mM	0.6774 mL	3.387 mL	6.7739 mL
10 mM	0.3387 mL	1.6935 mL	3.387 mL
50 mM	0.0677 mL	0.3387 mL	0.6774 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

Bhuta P, et al. Analogues of chloramphenicol: circular dichroism spectra, inhibition of ribosomal peptidyltransferase, and possible mechanism of action. J Med Chem. 1980 Dec;23(12):1299-305.

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