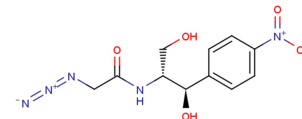


Azidamfenicol

Chemical Properties

CAS No.:	13838-08-9
Formula:	C ₁₁ H ₁₃ N ₅ O ₅
Molecular Weight:	295.25
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Azidamfenicol inhibits ribosomal peptidyltransferase (K _i =22 μM)[1]. Azidamfenicol is a broad-spectrum chloramphenicol-like antibiotic.
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	< 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	16.935 mL	33.87 mL
5 mM	0.677 mL	3.387 mL	6.774 mL
10 mM	0.339 mL	1.693 mL	3.387 mL
50 mM	0.068 mL	0.339 mL	0.677 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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.

Inhibitors · Natural Compounds · Compound Libraries

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