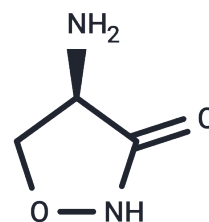


D-Cycloserine

Chemical Properties

CAS No. :	68-41-7
Formula:	C ₃ H ₆ N ₂ O ₂
Molecular Weight:	102.09
Appearance:	no data available
Storage:	store at low temperature
	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	D-Cycloserine (RO-1-9213) is a broad spectrum antibiotic used as a second line agent for treatment of drug resistant tuberculosis, always in combination with other antituberculosis agents.
Targets(IC50)	Antibacterial,Antibiotic,iGluR

Solubility Information

Solubility	Saline: 10.1 mg/mL (98.93 mM),Solution. H ₂ O: 6.66 mg/mL (65.24 mM),Sonication is recommended. Ethanol: < 1 mg/mL (insoluble or slightly soluble) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	9.7953 mL	48.9764 mL	97.9528 mL
5 mM	1.9591 mL	9.7953 mL	19.5906 mL
10 mM	0.9795 mL	4.8976 mL	9.7953 mL
50 mM	0.1959 mL	0.9795 mL	1.9591 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.

Reference

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- Monahan JB, et al. Pharmacol Biochem Behav,1989, 34(3), 649-653.
- Walker DL, et al. J Neurosci,2002, 22(6), 2343-2351.

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