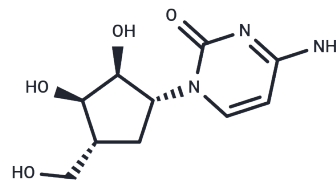


Carbodine

Chemical Properties

CAS No. :	71184-20-8
Formula:	C ₁₀ H ₁₅ N ₃ O ₄
Molecular Weight:	241.24
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Carbodine (Carbocyclic cytidine) is a broad-spectrum antiviral agent and targets CTP synthetase that converts UTP to CTP. It possesses significant antiviral activity against influenza virus types A0/PR-8/34 and A2/Aichi/2/68 in vitro.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1452 mL	20.7262 mL	41.4525 mL
5 mM	0.829 mL	4.1452 mL	8.2905 mL
10 mM	0.4145 mL	2.0726 mL	4.1452 mL
50 mM	0.0829 mL	0.4145 mL	0.829 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

De Clercq E, et al. Broad-spectrum antiviral activity of carbodine, the carbocyclic analogue of cytidine. *Biochem Pharmacol.* 1990 Jan 15;39(2):319-25.

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