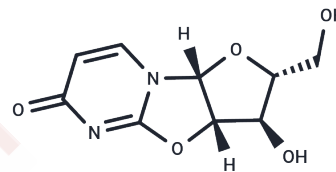


## 2,2'-Anhydrouridine

## Chemical Properties

CAS No. :	3736-77-4
Formula:	C <sub>9</sub> H <sub>10</sub> N <sub>2</sub> O <sub>5</sub>
Molecular Weight:	226.19
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	2,2'-Anhydrouridine (2,2'-Cyclouridine) is a research tool for antiviral and anticancer studies.
Targets(IC50)	Nucleoside Antimetabolite/Analog,Antiviral,Reverse Transcriptase

## Solubility Information

Solubility	DMSO: 60 mg/mL (265.26 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (8.84 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	4.4211 mL	22.1053 mL	44.2106 mL
5 mM	0.8842 mL	4.4211 mL	8.8421 mL
10 mM	0.4421 mL	2.2105 mL	4.4211 mL
50 mM	0.0884 mL	0.4421 mL	0.8842 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

Drabikowska A K , Lissowska L , Veres Z , et al. Inhibitor properties of some 5-substituted uracil acyclonucleosides, and 2,2'-anhydrouridines versus uridine phosphorylase from E. coli and mammalian sources[J]. Biochemical Pharmacology, 1987, 36(23):4125-4128.

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