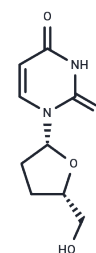


## 2',3'-Dideoxyuridine

## Chemical Properties

CAS No. :	5983-09-5
Formula:	C <sub>9</sub> H <sub>12</sub> N <sub>2</sub> O <sub>4</sub>
Molecular Weight:	212.2
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	2',3'-Dideoxyuridine is a purine nucleoside analog with potential antitumor activity. Purine nucleoside analogs such as 5-hydroxymethyl-2'-deoxyuridine have synergistic anticancer effects with 5-Fluorouracil in solid tumor cell lines.
Targets(IC50)	Nucleoside Antimetabolite/Analog

## Solubility Information

Solubility	H <sub>2</sub> O: 80 mg/mL (377 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	4.7125 mL	23.5627 mL	47.1254 mL
5 mM	0.9425 mL	4.7125 mL	9.4251 mL
10 mM	0.4713 mL	2.3563 mL	4.7125 mL
50 mM	0.0943 mL	0.4713 mL	0.9425 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

Robak T, Robak P. Purine nucleoside analogs in the treatment of rarer chronic lymphoid leukemias. *Curr Pharm Des.* 2012;18(23):3373-88.

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