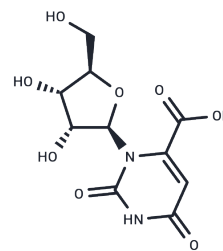


## Orotidine

## Chemical Properties

CAS No. :	314-50-1
Formula:	C <sub>10</sub> H <sub>12</sub> N <sub>2</sub> O <sub>8</sub>
Molecular Weight:	288.21
Storage:	Store at low temperature 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	Orotidine (Uridin-6-carboxylic acid) is a nucleoside found in bacteria, fungi, and plants. In humans, orotidine occurs as its 5'-phosphate (orotidylic acid).
Targets(IC50)	Endogenous Metabolite

## Solubility Information

Solubility	H <sub>2</sub> O: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4697 mL	17.3485 mL	34.6969 mL
5 mM	0.6939 mL	3.4697 mL	6.9394 mL
10 mM	0.347 mL	1.7348 mL	3.4697 mL
50 mM	0.0694 mL	0.347 mL	0.6939 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

- A M MICHELSON, et al. A new ribose nucleoside from Neurospora; "orotidine". Proc Natl Acad Sci U S A. 1951 Jul;37 (7):396-9.
- Kim EK, et al. Synthesis of orotidine by intramolecular nucleosidation. Chem Commun (Camb). 2015 Apr 4;51(26): 5618-21.

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