

## 3'-β-C-Methyl-2-thiouridine

## Chemical Properties

CAS No. :

Formula: C<sub>10</sub>H<sub>14</sub>N<sub>2</sub>O<sub>5</sub>S

Molecular Weight: 274.29

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	3'-β-C-Methyl-2-thiouridine, a purine nucleoside analog, exhibits extensive antitumor activity, particularly against indolent lymphoid malignancies. Its anticancer mechanisms include the inhibition of DNA synthesis and the induction of apoptosis, among others [1].
Targets(IC50)	Nucleoside Antimetabolite/Analog,Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6458 mL	18.2289 mL	36.4578 mL
5 mM	0.7292 mL	3.6458 mL	7.2916 mL
10 mM	0.3646 mL	1.8229 mL	3.6458 mL
50 mM	0.0729 mL	0.3646 mL	0.7292 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.

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