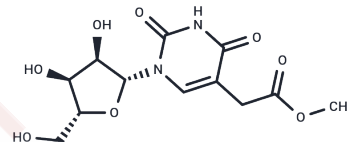


## 5-(Methoxycarbonyl)methyluridine

## Chemical Properties

CAS No. :	29428-50-0
Formula:	C <sub>12</sub> H <sub>16</sub> N <sub>2</sub> O <sub>8</sub>
Molecular Weight:	316.26
Storage:	Keep away from moisture, 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	5-(Methoxycarbonyl)methyluridine, a uracil derivative, is an important modifying nucleotide in the anticodon loop of yeast tRNAs, allowing tRNAs to be correctly pre-structured and bind to codons on mRNAs, and the lack of the mcm5U modification (e.g., in elp3 mutant strains) leads to increased protein aggregation.
Targets(IC50)	Nucleoside Antimetabolite/Analog

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.162 mL	15.8098 mL	31.6196 mL
5 mM	0.6324 mL	3.162 mL	6.3239 mL
10 mM	0.3162 mL	1.581 mL	3.162 mL
50 mM	0.0632 mL	0.3162 mL	0.6324 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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