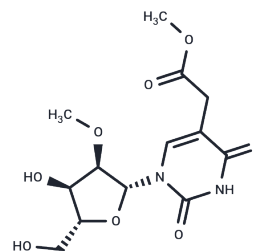


5-Methoxycarbonylmethyl-2'-O-methyluridine

Chemical Properties

CAS No. :	60197-31-1
Formula:	C ₁₃ H ₁₈ N ₂ O ₈
Molecular Weight:	330.29
Storage:	Keep away from direct sunlight 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-Methoxycarbonylmethyl-2'-O-methyluridine is a thymidine nucleoside analog used in biochemical experiments and drug synthesis research.
Targets(IC50)	Nucleoside Antimetabolite/Analog

Solubility Information

Solubility	Methanol: 50 mg/mL (151.38 mM), Sonication is recommended. DMSO: 80 mg/mL (242.21 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	3.0276 mL	15.1382 mL	30.2764 mL
5 mM	0.6055 mL	3.0276 mL	6.0553 mL
10 mM	0.3028 mL	1.5138 mL	3.0276 mL
50 mM	0.0606 mL	0.3028 mL	0.6055 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

- Rebecca Klar, et al. Activation of Metabotropic Glutamate Receptor 7 Is Required for Induction of Long-Term Potentiation at SC-CA1 Synapses in the Hippocampus. *J Neurosci*. 2015 May 13;35(19):7600-15.
- Mikhail Kalinichev, et al. ADX71743, a Potent and Selective Negative Allosteric Modulator of Metabotropic Glutamate Receptor 7: In Vitro and in Vivo Characterization. *Pharmacol Exp Ther*. 2013 Mar;344(3):624-36.

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