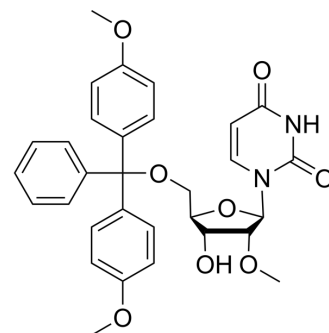


## 5'-O-(4,4'-Dimethoxytrityl)-2'-O-methyluridine

Cat. No.:	HY-W025438
CAS No.:	103285-22-9
Molecular Formula:	C <sub>31</sub> H <sub>32</sub> N <sub>2</sub> O <sub>8</sub>
Molecular Weight:	560.59
Target:	Nucleoside Antimetabolite/Analog
Pathway:	Cell Cycle/DNA Damage
Storage:	<div> <div>Powder</div> <div>-20°C    3 years</div> <div>4°C    2 years</div> </div> <div> <div>In solvent</div> <div>-80°C    2 years</div> <div>-20°C    1 year</div> </div>



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (178.38 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		1.7838 mL	8.9192 mL	17.8383 mL
	5 mM		0.3568 mL	1.7838 mL	3.5677 mL
	10 mM		0.1784 mL	0.8919 mL	1.7838 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

5'-O-(4,4'-Dimethoxytrityl)-2'-O-methyluridine is a uridine analog. Uridine has potential antiepileptic effects, and its analogs can be used to study anticonvulsant and anxiolytic activities, as well as to develop new antihypertensive agents<sup>[1]</sup>.

### REFERENCES

[1]. Connolly GP, et al. Uridine and its nucleotides: biological actions, therapeutic potentials. Trends Pharmacol Sci. 1999 May;20(5):218-25.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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