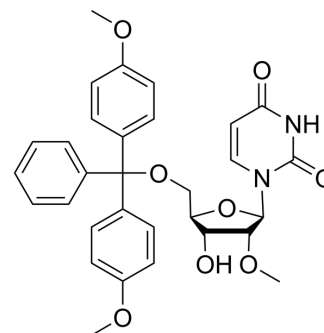


## 5'-O-(4,4'-Dimethoxytrityl)-2'-O-methyluridine

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



### SOLVENT & SOLUBILITY

#### In Vitro

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

Concentration	Mass		
	1 mg	5 mg	10 mg
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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