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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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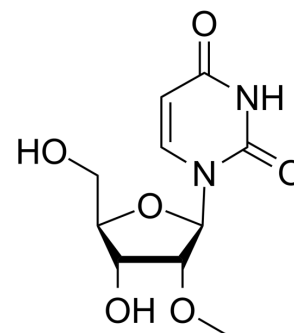
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2'-O-Methyluridine

Cat. No.:	HY-W011824		
CAS No.:	2140-76-3		
Molecular Formula:	C ₁₀ H ₁₄ N ₂ O ₆		
Molecular Weight:	258.23		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (387.25 mM; Need ultrasonic)

Concentration	Solvent	Mass	1 mg	5 mg	10 mg
			1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.8725 mL	19.3626 mL	38.7252 mL
	5 mM		0.7745 mL	3.8725 mL	7.7450 mL
	10 mM		0.3873 mL	1.9363 mL	3.8725 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (9.68 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (9.68 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (9.68 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

2'-O-methyluridine is found in rRNA, snRNA, snoRNA and tRNA of Archaea, Bacteria, and Eukaryota^[1].

REFERENCES

[1]. Aučynaitė A, et al. Identification of a 2'-O-Methyluridine Nucleoside Hydrolase Using the Metagenomic Libraries. *Molecules*. 2018;23(11):2904. Published 2018 Nov 7.

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

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