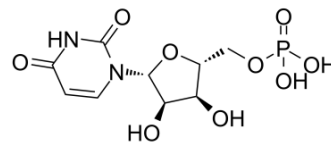


Uridine 5'-monophosphate

Cat. No.:	HY-101981	
CAS No.:	58-97-9	
Molecular Formula:	C ₉ H ₁₃ N ₂ O ₉ P	
Molecular Weight:	324.18	
Target:	Endogenous Metabolite	
Pathway:	Metabolic Enzyme/Protease	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 150 mg/mL (462.71 mM; Need ultrasonic)
 H₂O : 150 mg/mL (462.71 mM; Need ultrasonic)

Concentration	Solvent	Mass	1 mg	5 mg	10 mg
			1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.0847 mL	15.4235 mL	30.8471 mL
	5 mM		0.6169 mL	3.0847 mL	6.1694 mL
	10 mM		0.3085 mL	1.5424 mL	3.0847 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: ≥ 3.75 mg/mL (11.57 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
 Solubility: ≥ 3.75 mg/mL (11.57 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 3.75 mg/mL (11.57 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Uridine 5'-monophosphate (5'-Uridylic acid), a monophosphate form of UTP, can be acquired either from a de novo pathway or degradation products of nucleotides and nucleic acids in vivo and is a major nucleotide analogue in mammalian milk^[1].

IC₅₀ & Target

Human Endogenous Metabolite

REFERENCES

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA