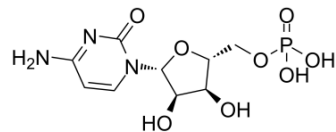


Cytidine 5'-monophosphate

Cat. No.:	HY-W009162
CAS No.:	63-37-6
Molecular Formula:	C ₉ H ₁₄ N ₃ O ₈ P
Molecular Weight:	323.2
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 18.33 mg/mL (56.71 mM; Need ultrasonic)
DMSO : < 1 mg/mL (insoluble or slightly soluble)

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		Concentration	1 mg	5 mg	10 mg
	1 mM		3.0941 mL	15.4703 mL	30.9406 mL
	5 mM		0.6188 mL	3.0941 mL	6.1881 mL
	10 mM		0.3094 mL	1.5470 mL	3.0941 mL

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

BIOLOGICAL ACTIVITY

Description

Cytidine 5'-monophosphate (5'-Cytidylic acid) is a nucleotide which is used as a monomer in RNA. Cytidine 5'-monophosphate consists of the nucleobase cytosine, the pentose sugar ribose, and the phosphate group^[1].

IC₅₀ & Target

Human Endogenous Metabolite

REFERENCES

[1]. Hernández AG, et, al. The determination of acid-soluble nucleotides in milk by improved enzymic methods: a comparison with the ion-exchange column chromatography procedure. J Sci Food Agric. 1981 Nov;32(11):1123-31.

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

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