



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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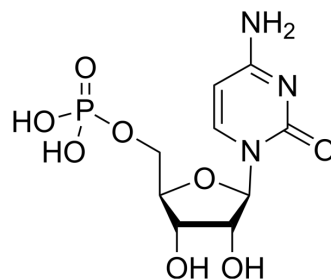
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## Cytidine 5'-monophosphate

Cat. No.:	HY-W009162
CAS No.:	63-37-6
Molecular Formula:	C <sub>9</sub> H <sub>14</sub> N <sub>3</sub> O <sub>8</sub> P
Molecular Weight:	323
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	H <sub>2</sub> O : 10 mg/mL (30.96 mM); ultrasonic and warming and heat to 60°C					
	DMSO : < 1 mg/mL (insoluble or slightly soluble)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		3.0960 mL	15.4799 mL	30.9598 mL
5 mM			0.6192 mL	3.0960 mL	6.1920 mL	
10 mM		0.3096 mL	1.5480 mL	3.0960 mL		
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: PBS Solubility: 11.11 mg/mL (34.40 mM); Clear solution; Need ultrasonic and warming and heat to 60°C					

### 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 <sup>[1]</sup> .	
IC <sub>50</sub> & Target	Human Endogenous Metabolite	Microbial 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.

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

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