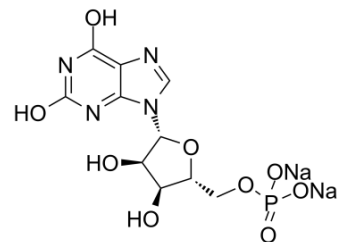


Xanthosine 5'-monophosphate sodium salt

Cat. No.:	HY-W008990		
CAS No.:	25899-70-1		
Molecular Formula:	C ₁₀ H ₁₁ N ₄ Na ₂ O ₉ P		
Molecular Weight:	408.17		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	Xanthosine 5'-monophosphate sodium salt (5'-Xanthylic acid sodium salt) is an intermediate in purine metabolism. Xanthosine 5'-monophosphate sodium salt can be used for genetic code, nucleic acid structure, and DNA, RNA and protein synthesis research ^[1] .
In Vitro	Microbiological production of Xanthosine 5'-monophosphate sodium salt (XMP) in high yields opens the way for its use in foods as a flavoring agent and as a chemical intermediate for production of purine antimetabolites. Xanthosine 5'-monophosphate sodium salt also should prove valuable in the production of synthetic polynucleotides for studies on the genetic code, protein synthesis, and nucleic acid structure ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. A L Demain, et al. Production of xanthosine-5'-monophosphate and inosine-5'-monophosphate by auxotrophic mutants of a coryneform bacterium. Appl Microbiol. 1965 Sep;13(5):757-61.

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

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