

## Purine nucleoside phosphorylase, Microorganism

Cat. No.:	HY-P2724	
CAS No.:	9030-21-1	
Target:	Endogenous Metabolite	
Pathway:	Metabolic Enzyme/Protease	Purine nucleoside phosphorylase, Microorganism
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.	

### SOLVENT & SOLUBILITY

In Vitro	H <sub>2</sub> O : ≥ 100 mg/mL * "≥" means soluble, but saturation unknown.
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### BIOLOGICAL ACTIVITY

Description	Purine nucleoside phosphorylase, Microorganism (PNP) is a key enzyme in purine metabolism, which is involved in the purine rescue pathway. The deficiency of Purine nucleoside phosphorylase resulted in impaired T cell function. In the presence of inorganic orthophosphate as the second substrate, Purine nucleoside phosphorylase catalyzes the breaking of the glycosidic bond between ribose and deoxyribonucleoside to generate purine base and ribose (deoxyribose) -1-phosphate <sup>[1]</sup> .
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### REFERENCES

[1]. Bzowska A, et al. Purine nucleoside phosphorylases: properties, functions, and clinical aspects. Pharmacol Ther. 2000 Dec;88(3):349-425.

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

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