



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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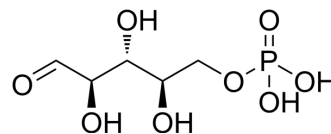
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D-Ribose 5-phosphate

Cat. No.:	HY-W009371A
CAS No.:	4300-28-1
Molecular Formula:	C ₅ H ₁₁ O ₈ P
Molecular Weight:	230.11
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	D-Ribose 5-phosphate is an intermediate of the oxidative branch of the pentose phosphate pathway (PPP) and an end product of the nonoxidative branch of the PPP. D-Ribose 5-phosphate is used in the synthesis of nucleotides and nucleic acids ^[1] .
IC ₅₀ & Target	Human Endogenous Metabolite
In Vitro	Ribose-5-phosphate is generally assumed to arise via the oxidative and nonoxidative pentose phosphate pathways ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Grochowski LL, et al. Ribose-5-phosphate biosynthesis in *Methanocaldococcus jannaschii* occurs in the absence of a pentose-phosphate pathway. *J Bacteriol.* 2005 Nov;187(21):7382-9.

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

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