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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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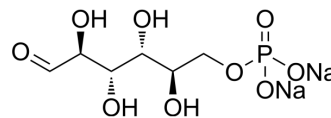
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D-Mannose-6-phosphate disodium

Cat. No.:	HY-W854355
CAS No.:	33068-18-7
Molecular Formula:	C ₆ H ₁₁ Na ₂ O ₉ P
Molecular Weight:	304.1
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 250 mg/mL (822.10 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.2884 mL	16.4420 mL	32.8839 mL
	5 mM	0.6577 mL	3.2884 mL	6.5768 mL
	10 mM	0.3288 mL	1.6442 mL	3.2884 mL

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

BIOLOGICAL ACTIVITY

Description

D-Mannose-6-phosphate (disodium) is a class of biochemical reagents used in glycobiology research. Glycobiology studies the structure, synthesis, biology, and evolution of sugars. It involves carbohydrate chemistry, enzymology of glycan formation and degradation, protein-glycan recognition, and the role of glycans in biological systems. This field is closely related to basic research, biomedicine, and biotechnology^[1].

REFERENCES

[1]. Varki A, et al editors. Essentials of Glycobiology [Internet]. 4th ed. Cold Spring Harbor (NY): Cold Spring Harbor Laboratory Press; 2022.

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

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