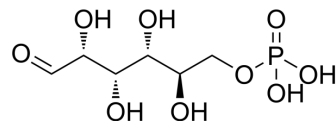


D-Glucose 6-phosphate

Cat. No.:	HY-112537
CAS No.:	56-73-5
Molecular Formula:	C ₆ H ₁₃ O ₉ P
Molecular Weight:	260.14
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Solution, -20°C, 2 years



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 250 mg/mL (961.02 mM; Need ultrasonic)
In Vivo	1. Add each solvent one by one: PBS Solubility: 100 mg/mL (384.41 mM); Clear solution; Need ultrasonic and warming and heat to 60°C

BIOLOGICAL ACTIVITY

Description	D-Glucose 6-phosphate is a glucose sugar phosphorylated at the hydroxy group on carbon 6.
IC ₅₀ & Target	Human Endogenous Metabolite
In Vitro	This dianion is very common in cells as the majority of glucose entering a cell will become phosphorylated in this way. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Cell Stem Cell. 2022 Jul 7;29(7):1119-1134.e7.
- Insect Biochem Mol Biol. 2023 May 12;103958.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Olsen BB, et al. Linked Hexokinase and Glucose-6-Phosphatase Activities Reflect Grade of Ovarian Malignancy. Mol Imaging Biol. 2018 Jul 9.

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

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