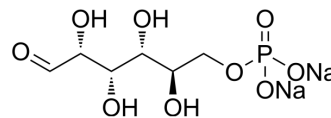


D-Glucose 6-phosphate disodium salt

Cat. No.:	HY-128374
CAS No.:	3671-99-6
Molecular Formula:	C ₆ H ₁₁ Na ₂ O ₉ P
Molecular Weight:	304.1
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°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	H ₂ O : 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.						
In Vivo	1. Add each solvent one by one: PBS Solubility: 16.67 mg/mL (54.82 mM); Clear solution; Need ultrasonic					

BIOLOGICAL ACTIVITY

Description	D-Glucose-6-phosphate disodium salt is a glucose sugar phosphorylated at the hydroxy group on carbon 6 ^[1] .
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 ^[1] . 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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