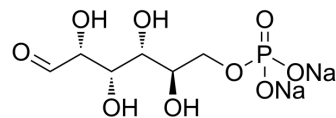


D-Glucose 6-phosphate disodium salt

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

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

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	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-Glucose-6-phosphate disodium salt is a glucose sugar phosphorylated at the hydroxy group on carbon 6^[1].

IC₅₀ & 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.

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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