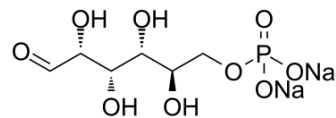


## D-Glucose 6-phosphate disodium salt

<b>Cat. No.:</b>	HY-128374		
<b>CAS No.:</b>	3671-99-6		
<b>Molecular Formula:</b>	C <sub>6</sub> H <sub>11</sub> Na <sub>2</sub> O <sub>9</sub> P		
<b>Molecular Weight:</b>	304.1		
<b>Target:</b>	Endogenous Metabolite		
<b>Pathway:</b>	Metabolic Enzyme/Protease		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>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.

### BIOLOGICAL ACTIVITY

#### Description

D-Glucose-6-phosphate disodium salt is a glucose sugar phosphorylated at the hydroxy group on carbon 6<sup>[1]</sup>.

#### In Vitro

This dianion is very common in cells as the majority of glucose entering a cell will become phosphorylated in this way<sup>[1]</sup>. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### 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.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA