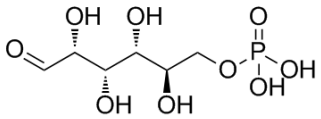
D-Glucose 6-Phosphate

Cat. No.:	HY-112537
CAS No.:	56-73-5
Molecular Formula:	$C_6H_{13}O_9P$
Molecular Weight:	260.14
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Pure form -20°C 3 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

H_2O : ≥ 33.33 mg/mL (128.12 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	3.8441 mL	19.2204 mL	38.4408 mL
5 mM	0.7688 mL	3.8441 mL	7.6882 mL
10 mM	0.3844 mL	1.9220 mL	3.8441 mL

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

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.

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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