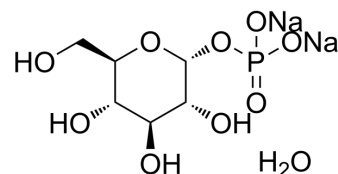


## $\alpha$ -D-Glucose-1-phosphate disodium hydrate

<b>Cat. No.:</b>	HY-128747A
<b>CAS No.:</b>	230954-92-4
<b>Molecular Formula:</b>	C <sub>6</sub> H <sub>13</sub> Na <sub>2</sub> O <sub>10</sub> P
<b>Molecular Weight:</b>	322.11
<b>Target:</b>	Endogenous Metabolite
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	H <sub>2</sub> O : 250 mg/mL (776.13 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	<b>Preparing Stock Solutions</b>	1 mM	3.1045 mL	15.5226 mL	31.0453 mL
		5 mM	0.6209 mL	3.1045 mL	6.2091 mL
		10 mM	0.3105 mL	1.5523 mL	3.1045 mL
Please refer to the solubility information to select the appropriate solvent.					
<b>In Vivo</b>	1. Add each solvent one by one: PBS Solubility: 33.33 mg/mL (103.47 mM); Clear solution; Need ultrasonic				

### BIOLOGICAL ACTIVITY

<b>Description</b>	$\alpha$ -D-Glucose-1-phosphate disodium hydrate is used as a starting material for synthesis of glucuronic acid. $\alpha$ -D-Glucose-1-phosphate disodium hydrate can be used as a cytostatic compound essential for cardiopathic therapy, as an antibiotic, as an immunosuppressive agent, and as a circulatory system therapy element <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	Human Endogenous Metabolite

### REFERENCES

[1]. Shin, H., et al. Formation of  $\alpha$ -D-glucose-1-phosphate by thermophilic  $\alpha$ -1,4-D-glucan phosphorylase. J Ind Microbiol Biotech 24, 89–93 (2000).

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

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