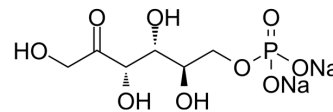


## D-Fructose-6-phosphate disodium

<b>Cat. No.:</b>	HY-113407A
<b>CAS No.:</b>	26177-86-6
<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>	-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 : 100 mg/mL (328.84 mM; Need ultrasonic)					
	DMSO : < 1 mg/mL (ultrasonic) (insoluble or slightly soluble)					
	<b>Preparing Stock Solutions</b>	<b>Solvent</b>	<b>Mass</b>	<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
		<b>Concentration</b>				
		<b>1 mM</b>		3.2884 mL	16.4420 mL	32.8839 mL
<b>5 mM</b>			0.6577 mL	3.2884 mL	6.5768 mL	
	<b>10 mM</b>		0.3288 mL	1.6442 mL	3.2884 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: 100 mg/mL (328.84 mM); Clear solution; Need ultrasonic					

### BIOLOGICAL ACTIVITY

<b>Description</b>	D-Fructose-6-phosphate disodium is an endogenous metabolite. D-Fructose-6-phosphate can be converted into D-glucose 6-phosphate (HY-112537) under the action of phosphoglucose isomerase. D-Fructose-6-phosphate disodium is a sugar intermediate of the glycolytic pathway <sup>[1]</sup> .
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### REFERENCES

[1]. Lee JH, et al. Crystal structure of rabbit phosphoglucose isomerase complexed with its substrate D-fructose 6-phosphate. *Biochemistry*. 2001 Jul 3;40(26):7799-805.

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

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