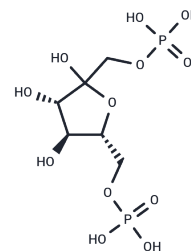


## Fosfructose

## Chemical Properties

CAS No. :	488-69-7
Formula:	C <sub>6</sub> H <sub>14</sub> O <sub>12</sub> P <sub>2</sub>
Molecular Weight:	340.12
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	D-fructose-1,6-diphosphate (D-fructose-1,6-diphosphate), also known as Fosfructose, is a cytoprotective natural sugar phosphate. It functions by promoting anaerobic glycolysis, which generates adenosine triphosphate (ATP) under ischemic conditions. This compound holds potential for research in cardiovascular ischemia, sickle cell anemia, and asthma.
Targets(IC50)	Endogenous Metabolite

## Solubility Information

Solubility	H <sub>2</sub> O: 60 mg/ml (176.41 mM), Sonication is recommended. DMSO: < 1 mg/mL (insoluble or slightly soluble) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9401 mL	14.7007 mL	29.4014 mL
5 mM	0.588 mL	2.9401 mL	5.8803 mL
10 mM	0.294 mL	1.4701 mL	2.9401 mL
50 mM	0.0588 mL	0.294 mL	0.588 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

## Reference

Folkesson HG, et al. Fosfructose (Questcor). IDrugs. 2001 Dec;4(12):1401-7.

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