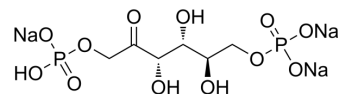


Fosfructose trisodium

Cat. No.:	HY-106950A
CAS No.:	38099-82-0
Molecular Formula:	C ₆ H ₁₁ Na ₃ O ₁₂ P ₂
Molecular Weight:	406.06
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 150 mg/mL (369.40 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	2.4627 mL	12.3135 mL	24.6269 mL
		5 mM	0.4925 mL	2.4627 mL	4.9254 mL
	10 mM	0.2463 mL	1.2313 mL	2.4627 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: PBS Solubility: 100 mg/mL (246.27 mM); Clear solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	Fosfructose trisodium (Diphosphofructose trisodium; Esafosfan trisodium; FDP trisodium) is a cytoprotective natural sugar phosphate for the potential treatment of cardiovascular ischemia, sickle cell anemia and asthma. It acts by stimulating anaerobic glycolysis which generates adenosine triphosphate under ischemic conditions.	
IC ₅₀ & Target	Microbial Metabolite	Human Endogenous Metabolite

REFERENCES

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

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

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