

## Esafosfan trisodium

## Chemical Properties

CAS No. : 38099-82-0

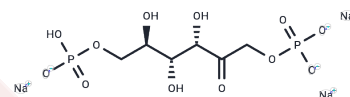
Formula: C<sub>6</sub>H<sub>11</sub>Na<sub>3</sub>O<sub>12</sub>P<sub>2</sub>

Molecular Weight: 406.06

Store at low temperature

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Esafosfan trisodium (FDP trisodium) is a cytoprotective natural sugar phosphate for the potential treatment of sickle cell anemia, cardiovascular ischemia and asthma. It acts by stimulating anaerobic glycolysis which generates adenosine triphosphate under ischemic conditions.
Targets(IC50)	Endogenous Metabolite

## Solubility Information

Solubility	DMSO: Insoluble, H <sub>2</sub> O: 10 mM, Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.0493 mL	0.2463 mL	0.4925 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

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

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