
Product Data Sheet

Product Name: Fosfructose (Diphosphofructose)

Cat. No.: GC34052

Chemical Properties

Cas. No. 488-69-7

SMILES O=P(O)(O)OCC([C@@H](O)[C@H](O)[C@H](O)COP(O)(O)=O)=OFormula $C_6H_{14}O_{12}P_2$ M.Wt 340.12Solubility H_2O : 60 mg/ml (176.41 mM) Storage Store at $-20^{\circ}C$

General tips For obtaining a higher solubility , please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Fosfructose (Diphosphofructose; Esafosfan; FDP) 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.

[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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