

Fosfructose trisodium octahydrate

Chemical Properties

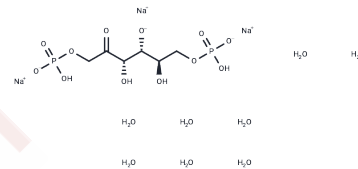
CAS No. : 81028-91-3

Formula: C₆H₂₇Na₃O₂₀P₂

Molecular Weight: 550.18

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	Fosfructose trisodium octahydrate is an intermediate in carbohydrate metabolism, participating in glycolysis and gluconeogenesis. It acts as an inhibitor of bacterial acetate kinase and an allosteric activator of PKM2, exhibiting neuroprotective effects.
Targets(IC50)	Others

Solubility Information

Solubility	H ₂ O: 40 mg/mL (72.7 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8176 mL	9.0879 mL	18.1759 mL
5 mM	0.3635 mL	1.8176 mL	3.6352 mL
10 mM	0.1818 mL	0.9088 mL	1.8176 mL
50 mM	0.0364 mL	0.1818 mL	0.3635 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

Mei H, et al. Fluorescent and visual assay of H₂O₂ and glucose based on a highly sensitive copper nanoclusters-Ce (III) fluoroprobe. Anal Bioanal Chem. 2021 Mar;413(8):2135-2146.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481