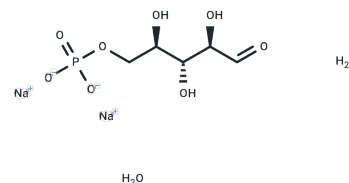


D-Ribose 5-phosphate disodium dihydrate

Chemical Properties

CAS No. :	207671-46-3
Formula:	C ₅ H ₁₃ Na ₂ O ₁₀ P
Molecular Weight:	310.1
Appearance:	no data available
Storage:	store at low temperature
	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	D-Ribose 5-phosphate disodium dihydrate participates in the pentose phosphate pathway and is an intermediate in the pentose phosphate pathway, and is used in studies of ocular diseases and endocrine and metabolic disorders caused by riboflavin deficiency.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 1 mg/mL (3.22 mM), Sonification is recommended. H ₂ O: 80 mg/mL (257.98 mM), Sonification is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2248 mL	16.1238 mL	32.2477 mL
5 mM	0.645 mL	3.2248 mL	6.4495 mL
10 mM	0.3225 mL	1.6124 mL	3.2248 mL
50 mM	0.0645 mL	0.3225 mL	0.645 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

Grochowski LL, et al. Ribose-5-phosphate biosynthesis in *Methanocaldococcus jannaschii* occurs in the absence of a pentose-phosphate pathway. J Bacteriol. 2005 Nov;187(21):7382-9.

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: 36 Washington Street, Wellesley Hills, MA 02481