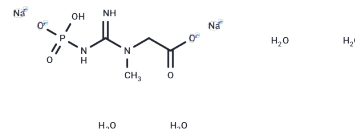


Sodium creatine phosphate dibasic tetrahydrate

Chemical Properties

CAS No. : 71519-72-7
Formula: C₄H₁₈N₃Na₂O₁₀P
Molecular Weight: 345.15
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Sodium creatine phosphate dibasic tetrahydrate (Creatine phosphate disodium salt tetrahydrate) mainly exists in the skeletal muscles of vertebrates. It is a substrate for the determination of creatine kinase and can be used for the regeneration of ATP during skeletal muscle contraction.
Targets(IC50)	Others,Endogenous Metabolite

Solubility Information

Solubility	DMSO: Slightly soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8973 mL	14.4865 mL	28.9729 mL
5 mM	0.5795 mL	2.8973 mL	5.7946 mL
10 mM	0.2897 mL	1.4486 mL	2.8973 mL
50 mM	0.0579 mL	0.2897 mL	0.5795 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

Kucherenko IS, et al. Determination of total creatine kinase activity in blood serum using an amperometric biosensor based on glucose oxidase and hexokinase. Talanta. 2015 Nov 1;144:604-11.

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