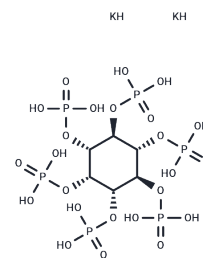


Phytic acid potassium

Chemical Properties

CAS No. :	129832-03-7
Formula:	C ₆ H ₁₆ K ₂ O ₂₄ P ₆
Molecular Weight:	736.22
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Phytic acid dipotassium salt is an endogenous metabolite that inhibits β -secretase 1 (BACE1).
Targets(IC50)	BACE,Endogenous Metabolite

Solubility Information

Solubility	DMSO: 1.34 mg/mL (1.82 mM),Sonication is recommended. H ₂ O: 20 mg/mL (27.17 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 0.13 mg/mL (0.18 mM),Solution. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3583 mL	6.7914 mL	13.5829 mL
5 mM	0.2717 mL	1.3583 mL	2.7166 mL
10 mM	0.1358 mL	0.6791 mL	1.3583 mL
50 mM	0.0272 mL	0.1358 mL	0.2717 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

Alcázar-Román AR, et al. Inositol hexakisphosphate and Gle1 activate the DEAD-box protein Dbp5 for nuclear mRNA export. Nat Cell Biol. 2006 Jul;8(7):711-6. Epub 2006 Jun 18.

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