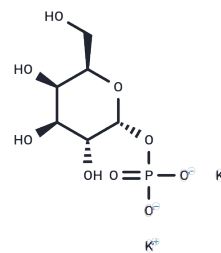


Galactose 1-phosphate Potassium salt

Chemical Properties

CAS No. :	19046-60-7
Formula:	C ₆ H ₁₁ K ₂ O ₉ P
Molecular Weight:	336.32
Storage:	Keep away from direct sunlight, 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	Galactose 1-phosphate Potassium salt (α -D-Galactose-1-phosphate Dipotassium Pentahydrate) is an intermediate in the galactose metabolism and nucleotide sugars metabolism pathways.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	H ₂ O: 125 mg/mL (371.67 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9734 mL	14.8668 mL	29.7336 mL
5 mM	0.5947 mL	2.9734 mL	5.9467 mL
10 mM	0.2973 mL	1.4867 mL	2.9734 mL
50 mM	0.0595 mL	0.2973 mL	0.5947 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

McCorvie TJ, et al. The structural and molecular biology of type I galactosemia: Enzymology of galactose 1-phosphate uridylyltransferase. IUBMB Life. 2011 Sep;63(9):694-700.

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