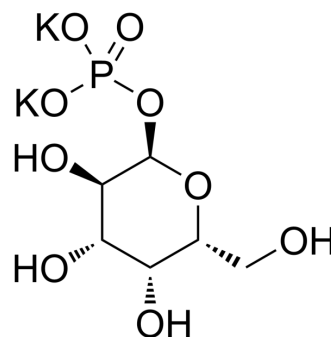


## Galactose 1-phosphate Potassium salt

<b>Cat. No.:</b>	HY-113143A
<b>CAS No.:</b>	19046-60-7
<b>Molecular Formula:</b>	C <sub>6</sub> H <sub>11</sub> K <sub>2</sub> O <sub>9</sub> P
<b>Molecular Weight:</b>	336.32
<b>Target:</b>	Endogenous Metabolite
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	H <sub>2</sub> O : 125 mg/mL (371.67 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	<b>Preparing Stock Solutions</b>	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
Please refer to the solubility information to select the appropriate solvent.					
<b>In Vivo</b>	1. Add each solvent one by one: PBS Solubility: 100 mg/mL (297.34 mM); Clear solution; Need ultrasonic				

### BIOLOGICAL ACTIVITY

<b>Description</b>	Galactose 1-phosphate Potassium salt is an intermediate in the galactose metabolism and nucleotide sugars.
<b>IC<sub>50</sub> &amp; Target</b>	Human Endogenous Metabolite

### REFERENCES

[1]. metabolism pathwaysMcCorvie 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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**Caution: Product has not been fully validated for medical applications. For research use only.**

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