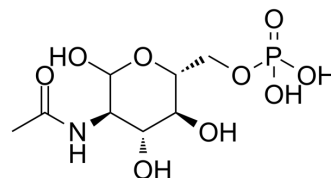


N-Acetyl-D-galactosamine-6-phosphate

Cat. No.:	HY-147062
CAS No.:	18191-20-3
Molecular Formula:	C ₈ H ₁₆ NO ₉ P
Molecular Weight:	301.19
Target:	Others
Pathway:	Others
Storage:	<div>Powder -20°C 3 years</div> <div>In solvent -80°C 6 months</div> <div>-20°C 1 month</div>



SOLVENT & SOLUBILITY

In Vitro

H₂O : 25 mg/mL (83.00 mM; Need ultrasonic and warming)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.3202 mL	16.6008 mL	33.2016 mL
	5 mM		0.6640 mL	3.3202 mL	6.6403 mL
	10 mM		0.3320 mL	1.6601 mL	3.3202 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

N-acetyl-D-galactosamine 6-phosphate is a galactosamine phosphate that involved in galactose metabolism and phosphotransferase system (PTS). N-Acetyl-D-galactosamine-6-phosphate can be hydrolyze by NagA^{[1][2][3]}.

REFERENCES

- [1]. Brito-Echeverría J, et al. Response to adverse conditions in two strains of the extremely halophilic species *Salinibacter ruber*. *Extremophiles*. 2011 May;15(3):379-89.
- [2]. Hall RS, et al. N-Acetyl-D-glucosamine-6-phosphate deacetylase: substrate activation via a single divalent metal ion. *Biochemistry*. 2007 Jul 10;46(27):7942-52.
- [3]. Hall RS, et al. Structural diversity within the mononuclear and binuclear active sites of N-acetyl-D-glucosamine-6-phosphate deacetylase. *Biochemistry*. 2007 Jul 10;46(27):7953-62.

Caution: Product has not been fully validated for medical applications. For research use only.

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