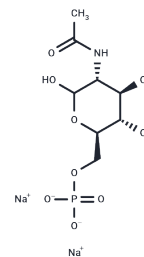


N-Acetyl-D-galactosamine-6-phosphate (disodium)

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 102029-88-9 |
| Formula: | C ₈ H ₁₄ NNa ₂ O ₉ P |
| Molecular Weight: | 345.15 |
| Storage: | Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA. |



Biological Description

| | |
|---------------|---|
| Description | N-Acetyl-D-galactosamine-6-phosphate (disodium) is a galactosamine phosphate involved in galactose metabolism and the phosphotransferase system (PTS), which can be hydrolyzed by NagA. |
| Targets(IC50) | Endogenous Metabolite |

Solubility Information

| | |
|------------|--|
| Solubility | H ₂ O: 80.00 mg/mL (231.78 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

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.

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

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.

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.

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.

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