
Product Data Sheet

Product Name: N-Acetyl- α -D-glucosamine 1-phosphate disodium

Cat. No.: GC64654

Chemical Properties

Cas. No. 31281-59-1

Formula C₈H₁₄NNa₂O₉P

M.Wt 345.15

Solubility Water : 250 mg/mL (724.32 mM; Need ultrasonic)

Storage -20°C, away from moisture

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

N-acetyl- α -d-glucosamine 1-phosphate disodium (GlcNAc-1-P), an anomeric sugar phosphate, is a key intermediate in the biosynthesis of N-linked glycoproteins. N-acetyl- α -d-glucosamine 1-phosphate disodium is a metabolic precursor of the bacterial cell-wall components teichoic acid and mureine[1].

[1]. Olivier Gaurat, et al. A concise synthesis of C-glycosyl phosphate and phosphonate analogues of N-acetyl- α -d-glucosamine 1-phosphate. Tetrahedron Letters. 19 February 2000,41(18):1187-1189.

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

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