

## N-Acetyl-D-Glucosamine

## Chemical Properties

CAS No. : 7512-17-6

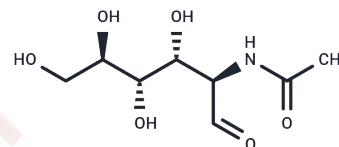
Formula: C<sub>8</sub>H<sub>15</sub>NO<sub>6</sub>

Molecular Weight: 221.21

Appearance: no data available

Storage: store under nitrogen

Powder: -20°C for 3 years | In solvent: -80°C for 1 year



## Biological Description

Description	N-Acetyl-D-Glucosamine (NAG) is a monosaccharide derivative of glucose. It is released by the action of O-GlcNAcase, in mammalian systems from proteins that have been post-translationally modified with O-GlcNAc.
Targets(IC50)	Endogenous Metabolite

## Solubility Information

Solubility	DMSO: 50 mg/mL (226.03 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.5206 mL	22.603 mL	45.2059 mL
5 mM	0.9041 mL	4.5206 mL	9.0412 mL
10 mM	0.4521 mL	2.2603 mL	4.5206 mL
50 mM	0.0904 mL	0.4521 mL	0.9041 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.

## Reference

Liu F, et al. O-GlcNAcylation regulates phosphorylation of tau: a mechanism involved in Alzheimer's disease. Proc Natl Acad Sci U S A. 2004 Jul 20;101(29):10804-9.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286

E\_mail: info@targetmol.com

Address: 36 Washington Street, Wellesley Hills, MA 02481