

D-N-Acetylgalactosamine

Chemical Properties

CAS No. : 1811-31-0

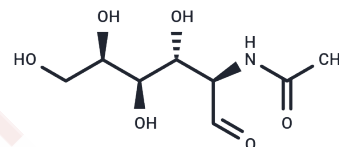
Formula: C₈H₁₅NO₆

Molecular Weight: 221.21

Store at low temperature

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	D-N-Acetylgalactosamine (N-Acetyl-D-galactosamine) is an important constituent of brain heteropolysaccharides (glycoproteins).
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 250 mg/mL (1130.15 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 10 mg/mL (45.21 mM),Suspension. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (9.04 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

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.

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

Mazany KD, et al. Human chondroitin 6-sulfotransferase: cloning, gene structure, and chromosomal localization. *Biochim Biophys Acta*. 1998 Jul 1;1407(1):92-7.

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