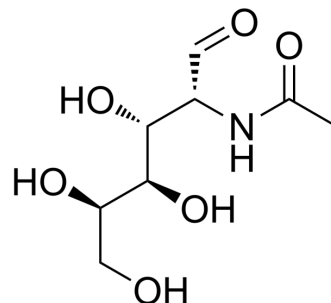


## D-N-Acetylgalactosamine

<b>Cat. No.:</b>	HY-33212		
<b>CAS No.:</b>	1811-31-0		
<b>Molecular Formula:</b>	C <sub>8</sub> H <sub>15</sub> NO <sub>6</sub>		
<b>Molecular Weight:</b>	221.21		
<b>Target:</b>	Endogenous Metabolite		
<b>Pathway:</b>	Metabolic Enzyme/Protease		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (452.06 mM; Need ultrasonic)  
 H<sub>2</sub>O : 100 mg/mL (452.06 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	4.5206 mL	22.6030 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

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

#### In Vivo

- Add each solvent one by one: PBS  
Solubility: 100 mg/mL (452.06 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.5 mg/mL (11.30 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (11.30 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (11.30 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

D-N-Acetylgalactosamine is an endogenous metabolite.

#### IC<sub>50</sub> & Target

Human Endogenous Metabolite

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## CUSTOMER VALIDATION

- bioRxiv. 2021 Feb 24, 432630.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

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

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