

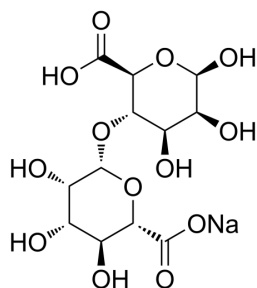
## D-Dimannuronic acid (sodium)

Cat. No.: HY-N7699H  
Batch No.: 284323  
Chemical Name:  $\beta$ -D-Mannopyranuronic acid, 4-O- $\beta$ -D-mannopyranuronosyl- (sodium)

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_{12}H_{17}NaO_{13}$   
Molecular Weight: 392.25  
Storage: -20°C, sealed storage, away from moisture  
\* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

Chemical Structure:



### ANALYTICAL DATA

Appearance: White to off-white (Solid)  
<sup>1</sup>H NMR Spectrum: Consistent with structure  
MS: Consistent with structure  
Purity (HPLC): 99.94%  
Conclusion: The product has been tested and complies with the given specifications.

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

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