

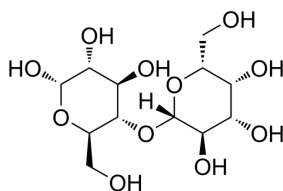
## α-Lactose

Cat. No.: HY-N2514  
CAS No.: 14641-93-1  
Batch No.: 313142  
Chemical Name: α-D-Glucopyranose, 4-O-β-D-galactopyranosyl-

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C<sub>12</sub>H<sub>22</sub>O<sub>11</sub>  
Molecular Weight: 342.30  
Storage: 4°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 light yellow (Solid)  
<sup>1</sup>H NMR Spectrum: Consistent with structure  
Purity (NMR): ≥98.0%  
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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