

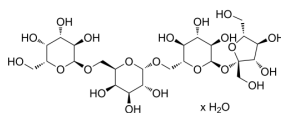
## Stachyose (hydrate)

Cat. No.: HY-N0299  
 CAS No.: 54261-98-2  
 Batch No.: 268985  
 Chemical Name:  $\alpha$ -D-Glucopyranoside,  $\beta$ -D-fructofuranosyl O- $\alpha$ -D-galactopyranosyl-(1 $\rightarrow$ 6)-O- $\alpha$ -D-galactopyranosyl-(1 $\rightarrow$ 6)-, hydrate (9CI)

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_{24}H_{42}O_{21} \cdot xH_2O$   
 Storage: Powder -20°C 3 years  
 4°C 2 years  
 In solvent -80°C 6 months  
 -20°C 1 month

Chemical Structure:



### ANALYTICAL DATA

Appearance: White to off-white (Solid)  
 $^1H$  NMR Spectrum: Consistent with structure  
 MS: Consistent with structure  
 Purity (NMR):  $\geq 98.0\%$   
 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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