

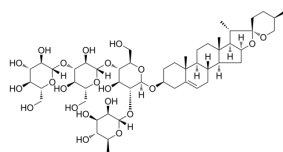
## Zingiberen Newsaponin

Cat. No.: HY-N2282  
 CAS No.: 91653-50-8  
 Batch No.: 248698  
 Chemical Name:  $\beta$ -D-Glucopyranoside, (3 $\beta$ ,25R)-spirost-5-en-3-yl O- $\beta$ -D-glucopyranosyl-(1 $\rightarrow$ 3)-O- $\beta$ -D-glucopyranosyl-(1 $\rightarrow$ 4)-O-[6-deoxy- $\alpha$ -L-mannopyranosyl-(1 $\rightarrow$ 2)]-

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C<sub>51</sub>H<sub>82</sub>O<sub>22</sub>  
 Molecular Weight: 1047.18  
 Storage: 4°C, sealed storage, away from moisture and light  
 \* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)

### 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): 99.68%  
 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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