

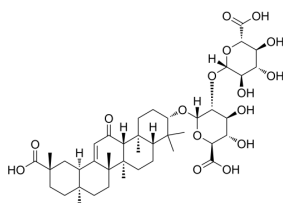
## Glycyrrhizic acid

Cat. No.: HY-N0184  
 CAS No.: 1405-86-3  
 Batch No.: 323139  
 Chemical Name:  $\alpha$ -D-Glucopyranosiduronic acid, (3 $\beta$ ,20 $\beta$ )-20-carboxy-11-oxo-30-norolean-12-en-3-yl 2-O- $\beta$ -D-glucopyranuronosyl-

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C<sub>42</sub>H<sub>62</sub>O<sub>16</sub>  
 Molecular Weight: 822.93  
 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)  
<sup>1</sup>H NMR Spectrum: Consistent with structure  
 LCMS: Consistent with structure  
 Purity (HPLC): 99.65%  
 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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