

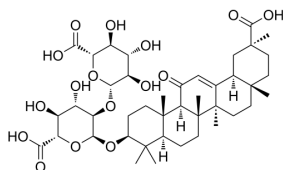
## 18 $\alpha$ -Glycyrrhizic acid

|                |   |
|----------------|---|
| Cat. No.:      | HY-N6911A   |
| CAS No.:       | 83896-44-0  |
| Batch No.:     | 361072  |
| Chemical Name: | $\alpha$ -D-Glucopyranosiduronic acid, (3 $\beta$ ,18 $\alpha$ ,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:           | -20°C, protect from light<br>* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light) |

### Chemical Structure:



### ANALYTICAL DATA

|                              |   |
|------------------------------|---|
| Appearance:                  | White to off-white (Solid)  |
| <sup>1</sup> H NMR Spectrum: | Consistent with structure   |
| Purity (HPLC):               | 99.79%  |
| 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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