

## **Certificate of Analysis**

## Macranthoidin A

Cat. No.: HY-N2109 CAS No.: 140360-29-8 Batch No.: 279708

**Chemical Name:** Olean-12-en-28-oic acid, 3-[(O- $\beta$ -D-glucopyranosyl-(1 $\rightarrow$ 3)-O-6-deoxy- $\alpha$ -L-mannopyranosyl-(1 $\rightarrow$ 2)

 $-\alpha$ -L-arabinopyranosyl)oxy]-23-hydroxy-, 6-O- $\beta$ -D-glucopyranosyl- $\beta$ -D-glucopyranosyl ester, (3 $\beta$ ,

4α)-

## PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_{59}H_{96}O_{27}$ **Molecular Weight:** 1237.38

Storage: 4°C, protect from light

\* In solvent: -80°C, 6 months; -20°C, 1 month (protect from light)

**Chemical Structure:** 

## **ANALYTICAL DATA**

White to yellow (Solid) Appearance: <sup>1</sup>H NMR Spectrum: Consistent with structure MS: Consistent with structure

Purity (HPLC): 99.42%

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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