Certificate of Analysis

Ginsenoside Rd

Cat. No.: HY-N0043 CAS No.: 52705-93-8 Batch No.: 121385

Chemical Name: $\beta\text{-D-Glucopyranoside, } (3\beta,12\beta)\text{-20-}(\beta\text{-D-glucopyranosyloxy})\text{-}12\text{-hydroxydammar-24-en-3-yl 2-O-loop}$

β-D-glucopyranosyl-

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: $C_{48}H_{82}O_{18}$ **Molecular Weight:** 947.15

Storage: Powder -20°C 3 years

2 years

In solvent -80°C 2 years

> -20°C 1 year

Chemical Structure:

ANALYTICAL DATA

Appearance: White to off-white (Solid) ¹ H NMR Spectrum: Consistent with structure MS: Consistent with structure

Purity (HPLC): 98.02%

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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