## **Certificate of Analysis**

## 1-Caffeoylquinic acid

Cat. No.: HY-N0460 CAS No.: 1241-87-8 Batch No.: 283047

**Chemical Name:** Cyclohexanecarboxylic acid, 1-[[3-(3,4-dihydroxyphenyl)-1-oxo-2-propen-1-yl]oxy]-3,4,5-trihydr

oxy-, (1α,3R,4α,5R)-

## PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_{16}H_{18}O_9$ **Molecular Weight:** 354.31

4°C, protect from light Storage:

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

**Chemical Structure:** 

## ANALYTICAL DATA

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

Purity (HPLC): 99.06%

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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