

# Certificate of Analysis

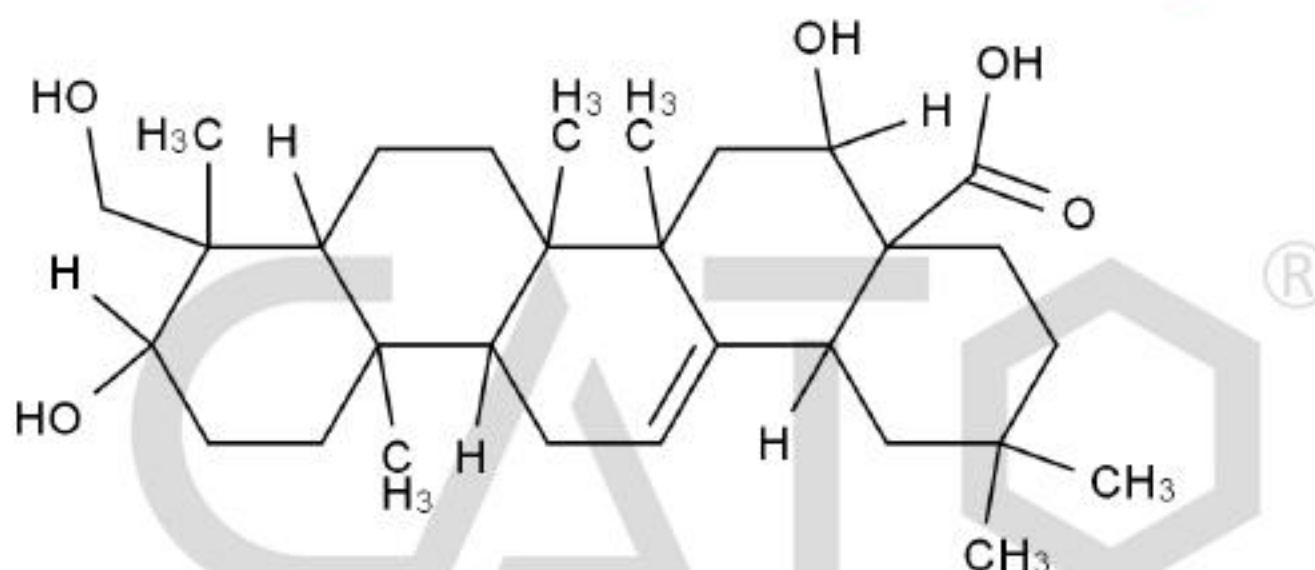
## Reference Material & Standard

|                    |                   |                   |                                           |
|--------------------|-------------------|-------------------|-------------------------------------------|
| Product Name:      | Caulophyllogenin  | Catalogue Number: | CS351161                                  |
| Synonyms:          | N/A               | Lot Number:       | 1220-SA-7266                              |
| CAS Number:        | 52936-64-8        | Expiry Date:      | Dec 19, 29                                |
| Molecular Formula: | $C_{30}H_{48}O_5$ | Storage:          | 2°C ~ 8°C Protected from light and Sealed |
| Molecular Weight:  | 488.70            |                   |                                           |

Warning:



Chemical Structure:



| Test Items      | Method            | Results      |
|-----------------|-------------------|--------------|
| Appearance      | Visual inspection | White powder |
| Identification: | LC&HNMR           | Confirmed    |
| Purity:         | HPLC              | 98.708%      |
| Uncertainty     |                   | ±2.0%        |

## Comment:

The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

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Date: Dec 20, 25

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Date: Dec 20, 25



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## Directions:

1. *Intended use: This product is suitable for identification and quantification of the analyte(s), instrument calibration, method development and quality control in analytical and R&D applications. It is not intended for administration to humans or animals, and shall not be used to diagnose, treat or cure any diseases.*
2. *Minimum sample size: 1mg is recommended as the minimum sample size.*
3. *Metrological traceability: This product meets the requirements of ISO 17034 and is traceable to NMI through an unbroken chain of comparisons.*
4. *Instructions for handling and correct use: Handling in a well-ventilated place.*

## Document Version:

| Revision No. | Date       | Reason for Revision |
|--------------|------------|---------------------|
| 01           | Dec 20, 25 | First release.      |

