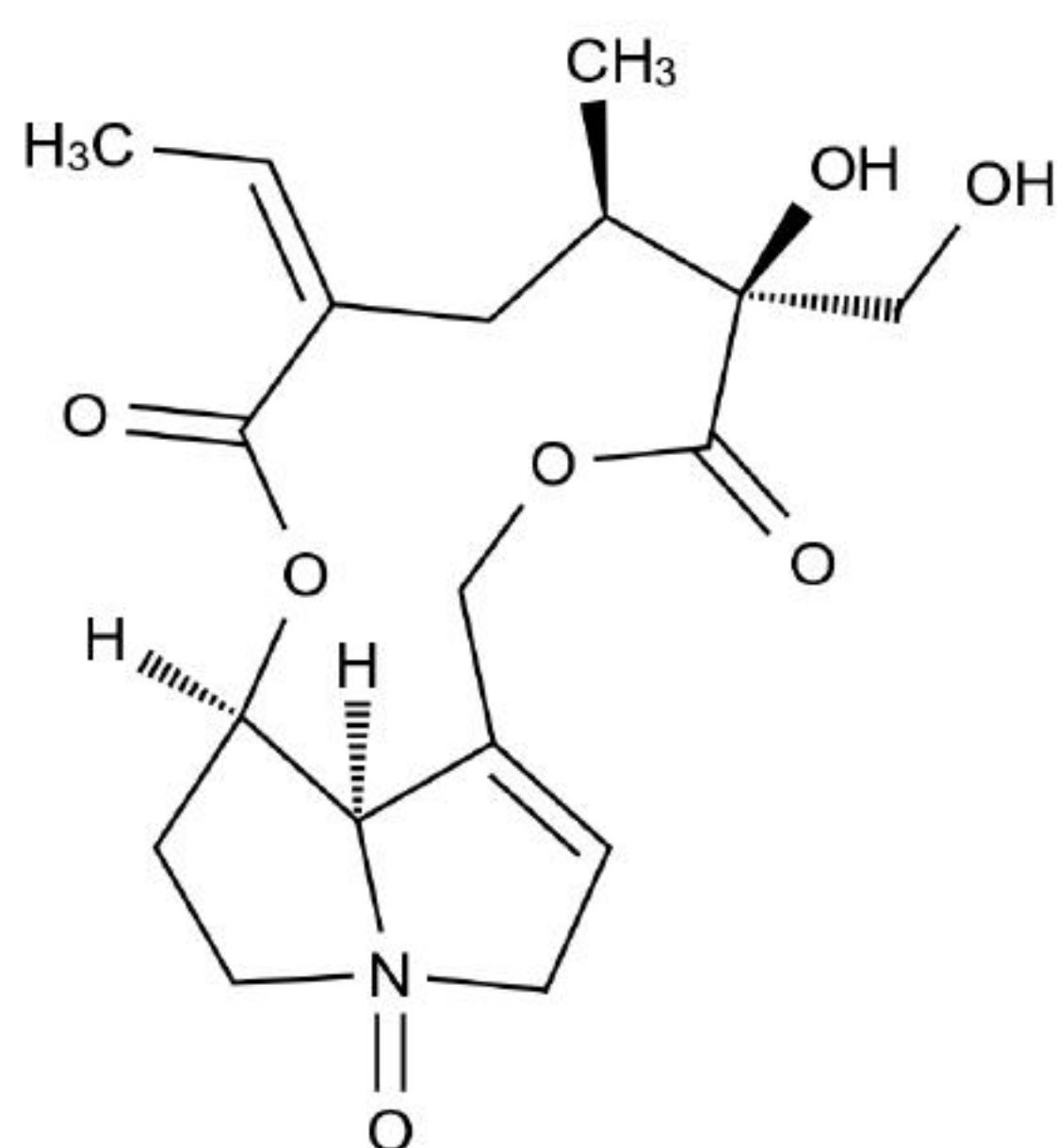


Certificate of Analysis

Reference Material & Standard

Product Name:	Retrorsine N-Oxide	Catalogue Number:	CCPE901959
Synonyms:	N/A	Lot Number:	0506-RE-0046
CAS Number:	15503-86-3	Expiry Date:	Apr 20, 2026
Molecular Formula:	C ₁₈ H ₂₅ NO ₇	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	367.39		
Chemical Structure:			



Warning:



Test Items	Method	Results
Appearance	Visual inspection	Off-white to Pale Orange Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.23%
Water Content	Elemental Analysis	8.9%
Assay		90.4%
Uncertainty		±2.0%

Comment:

1. The calculation of the 100% method follows the formula (calculated on the non-dried basis):

$\text{Assay (\%)} = (100\% - \text{Water Content}) * \text{Purity HPLC (\%)} / 100\%$

Water Content is considered as absolute effect, HPLC purity is considered as relative effect.

2. 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:

Prepared by: 古雪

Reviewed by:

Xenia

Aporoved by General Manager:

David

Date: Apr 21, 2022

Date: May 15, 2023

Date: May 15, 2023

