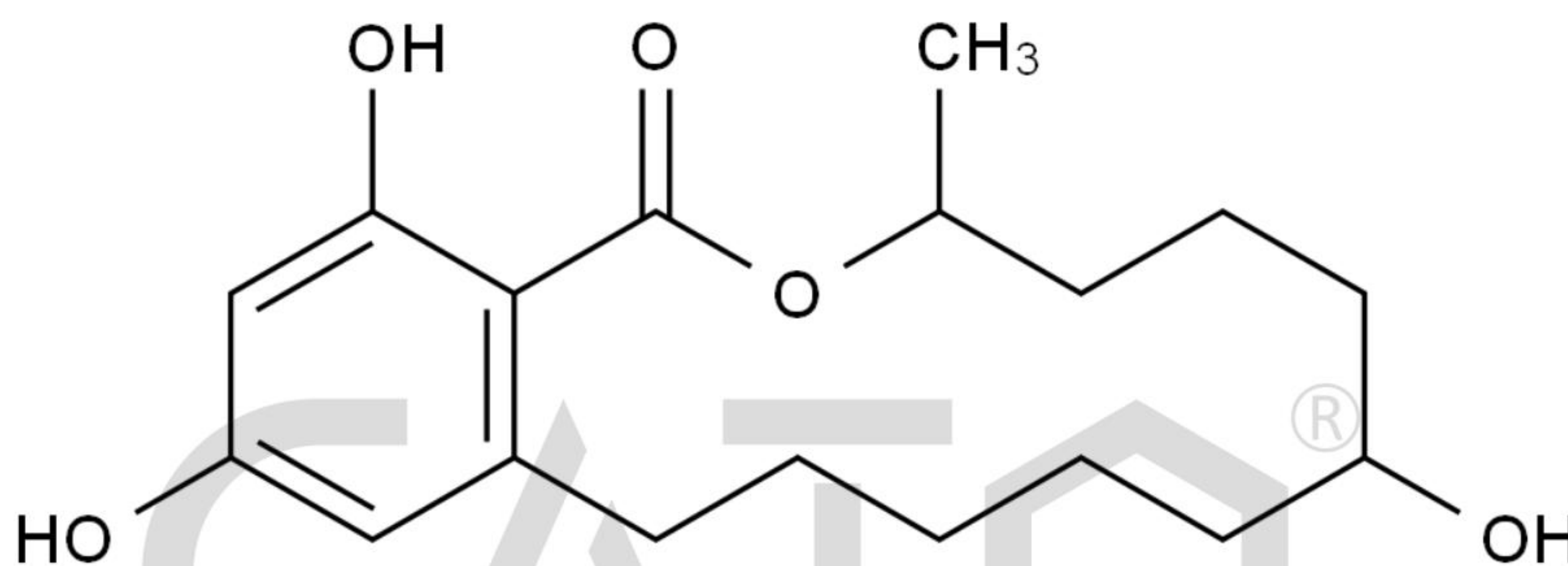


Certificate of Analysis

Reference Material

Product Name:	Zeranol (mixture of isomers)	Catalogue Number:	CCAD301673
Chemical Name:	N/A	Lot Number:	1201-RD-0031
CAS Number:	55331-29-8	Expiry Date:	Mar 01, 2028
Molecular Formula:	C ₁₈ H ₂₆ O ₅	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	322.40		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Purity	UPLC	98.12%
Water Content	Karl Fischer	0.39%
Assay		97.7%
Uncertainty		±2.0%

Comment:

- No chromatogram available.
- The calculation of the 100% method follows the formula (calculated on the non-dried basis):

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

Water Content is considered as absolute effect, UPLC purity is considered as relative effect.
- 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:

Xenia

Reviewed by:

Hinlam

Aporoved by General manager:

David

Date: Mar 02, 2022

Date: Dec 06, 2022

Date: Dec 06, 2022

