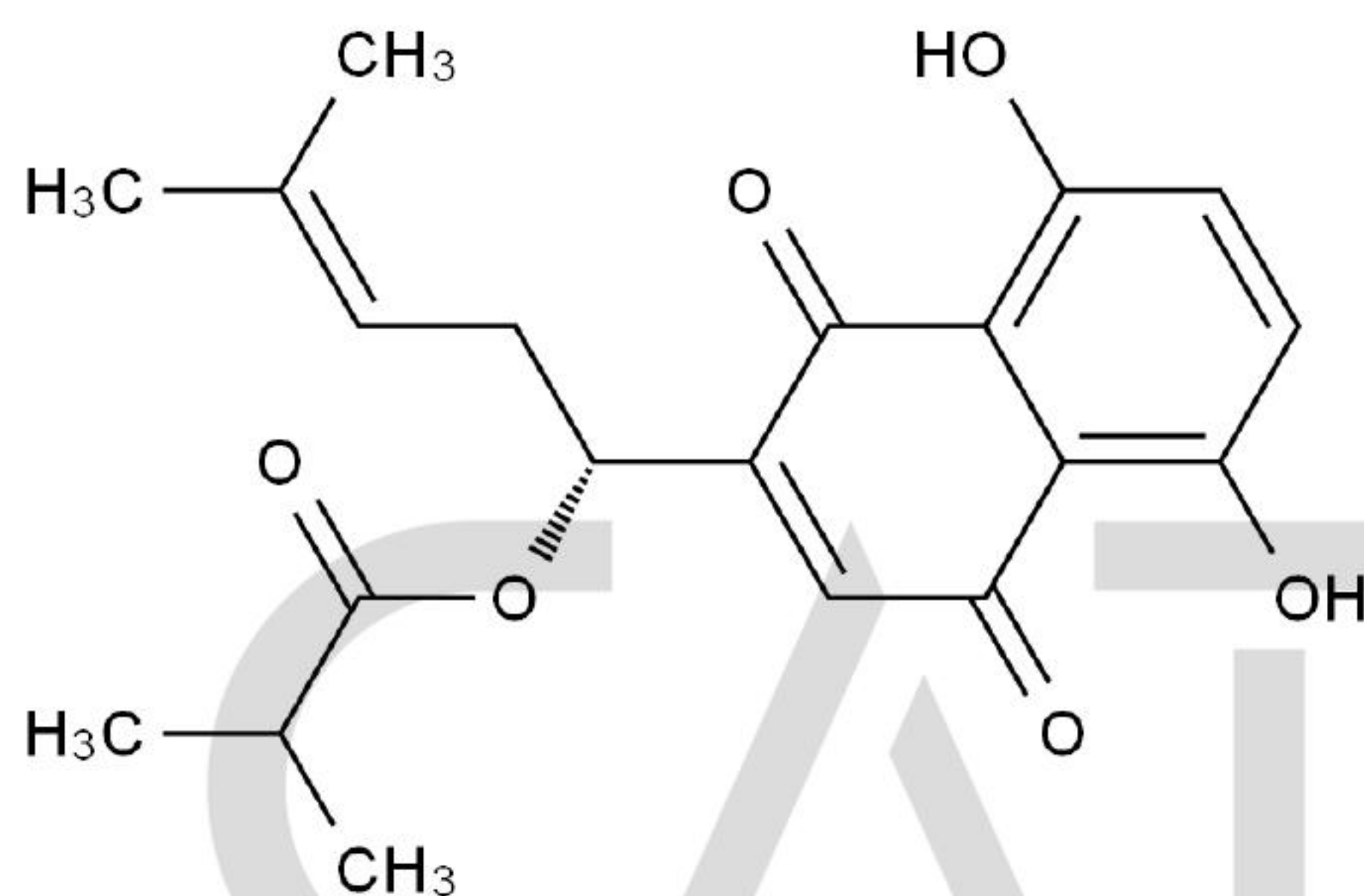


Certificate of Analysis

Reference Material & Standard

Product Name:	Isobutyrylshikonin	Catalogue Number:	CCPE901429
Synonyms:	N/A	Lot Number:	0303-RG-0022
CAS Number:	52438-12-7	Expiry Date:	Mar 03, 2028
Molecular Formula:	C ₂₀ H ₂₂ O ₆	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	358.39		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Brown to Black Solid
Identification	HNMR	Confirmed
Purity	HPLC	99.7%
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:

Prepared by:

Lily

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Mar 05, 2025

Date: Mar 05, 2025

Date: Mar 05, 2025

