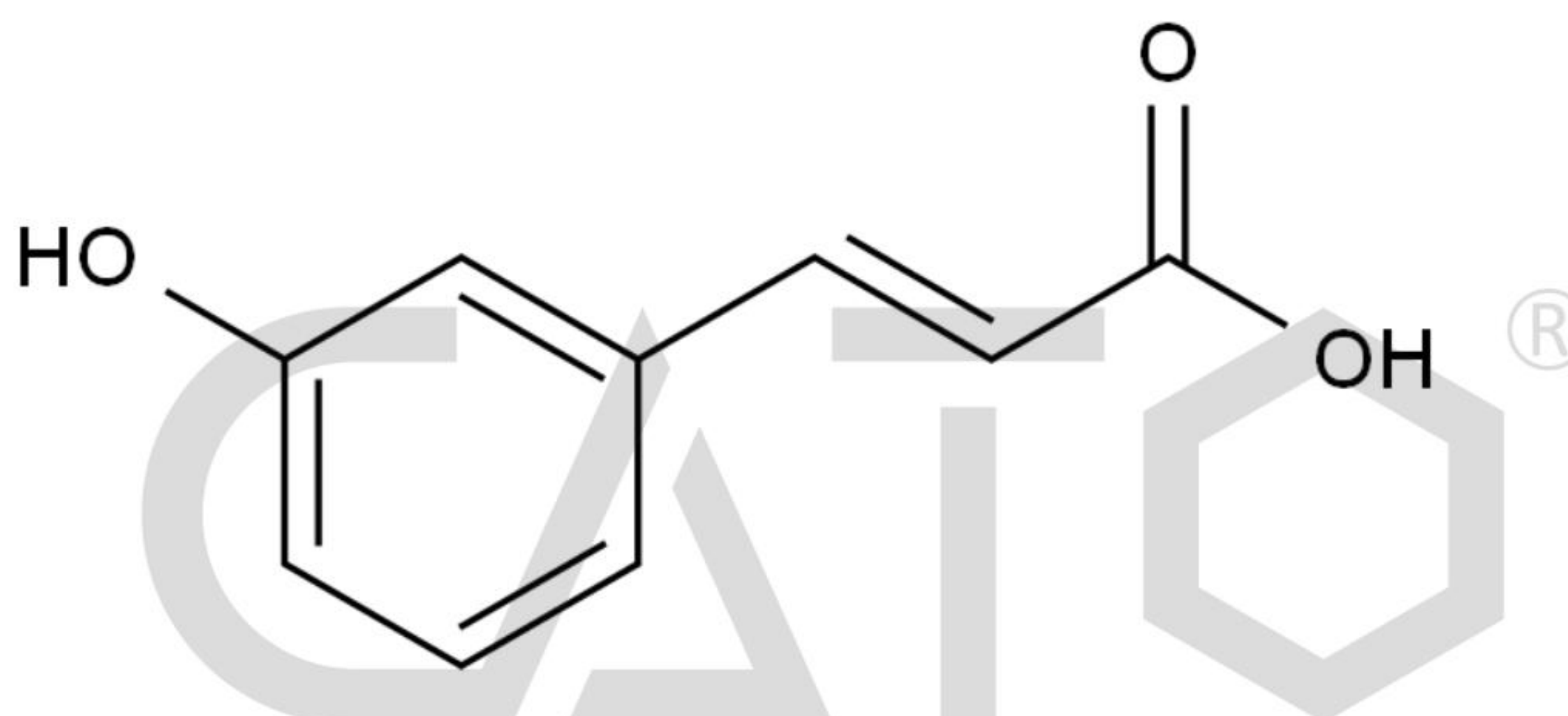


Certificate of Analysis

Reference Material & Standard

Product Name:	3-Hydroxycinnamic acid	Catalogue Number:	CCPE901690
Synonyms:	N/A	Lot Number:	0301-RC-0150
CAS Number:	14755-02-3	Expiry Date:	Mar 09, 2025
Molecular Formula:	C ₉ H ₈ O ₃	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	164.16	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Powder
Identification	GCMS&HNMR	Confirmed
Purity	GC	96.780%
Water Content	Karl Fischer	0.2617%
Assay		96.5%
Uncertainty		±2.0%

Comment:

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

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

Water Content is considered as absolute effect, GC 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: 冯思行

Reviewed by:

Debia

Approved by General Manager:

David

Date: Mar 10, 2021

Date: Mar 11, 2021

Date: Mar 11, 2021



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