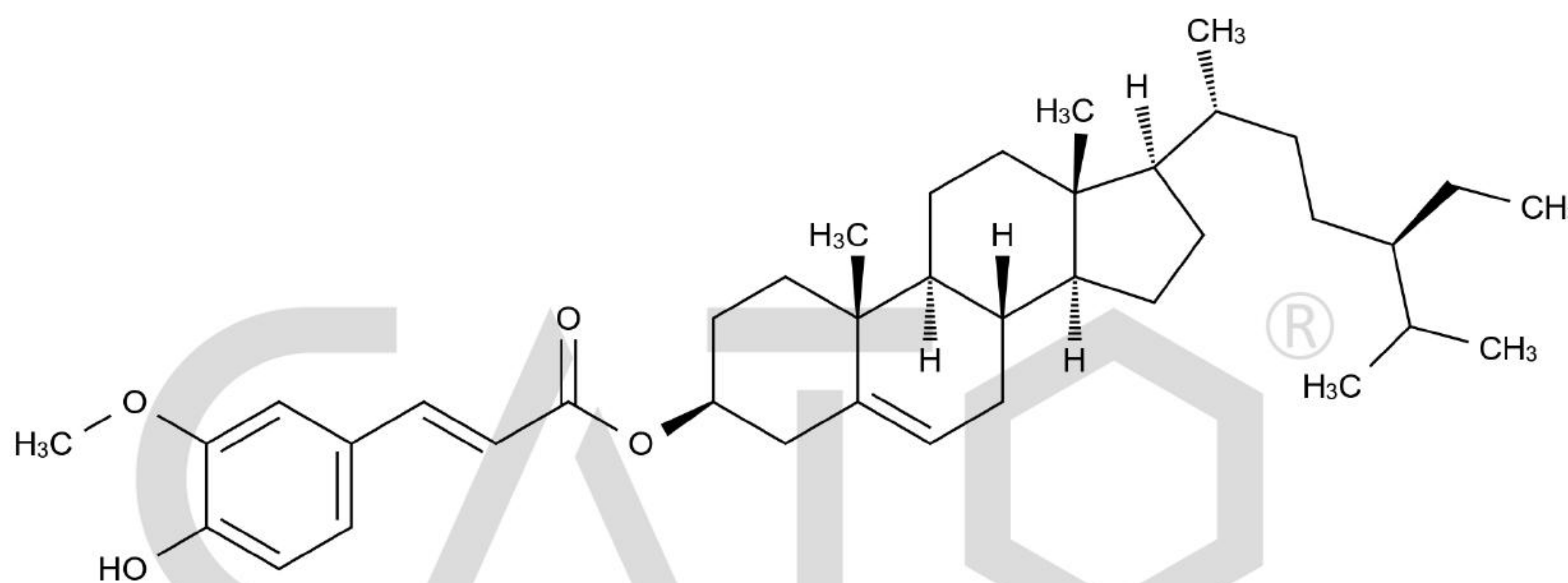


Certificate of Analysis

Reference Material & Standard

Product Name:	Oryzanol Impurity 16	Catalogue Number:	C4X-286116
Synonyms:	N/A	Lot Number:	0518-RH-0083
CAS Number:	286011-30-1	Expiry Date:	Aug 13, 2029
Molecular Formula:	C ₃₉ H ₅₈ O ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	590.88	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	98.1187%
Water Content	Karl Fischer	0.10%
Residual Solvents	NMR	1.0% isopropanol
Assay		97.0%

Comment:

- The compound contains 1.5% Oryzanol Impurity 7 ((E)-Campesteryl Ferulate) (RT 8.48) according to its HPLC and LC-MS.
- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Water Content} - \text{Residual Solvents}) * \text{Purity HPLC (\%)} / 100\%$$
 Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Reviewed by:

Approved by General Manager:

Date: May 22, 2026

Date: May 22, 2026

Date: May 22, 2026



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