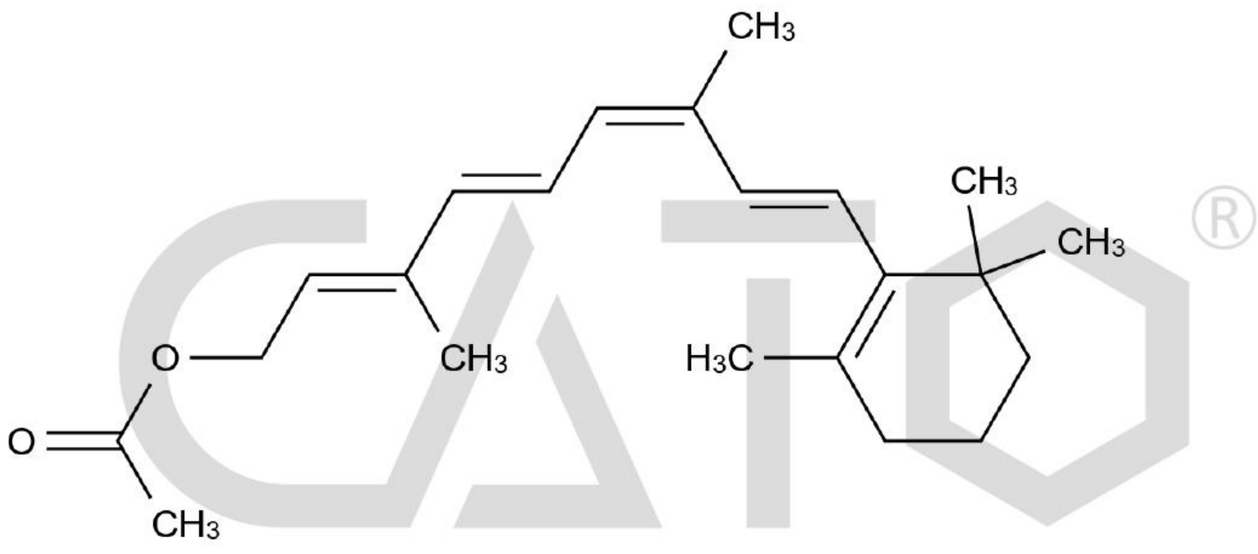
Certificate of Analysis

Reference Material & Standard

Product Name:	9-cis-Retinol Acetate	**Catalogue Number:**	C1787333
Synonyms:	N/A	**Lot Number:**	1109-RH-0110
CAS Number:	29584-22-3	**Expiry Date:**	Mar 20, 2029
Molecular Formula:	$C_{22}H_{32}O_2$	**Storage:**	-80°C±5°C Protected from light and Sealed
Molecular Weight:	328.49	**Shipping Condition:**	Shipping with Dry Ice
		Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Oil
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.2%
Assay	qNMR	90.4%
Uncertainty		±1.7%

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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: Lisa Date: Nov 11, 2026

Reviewed by: Hinlam Date: Nov 12, 2026

Approved by General Manager: David Date: Nov 12, 2026

CATO Research Chemicals Inc.