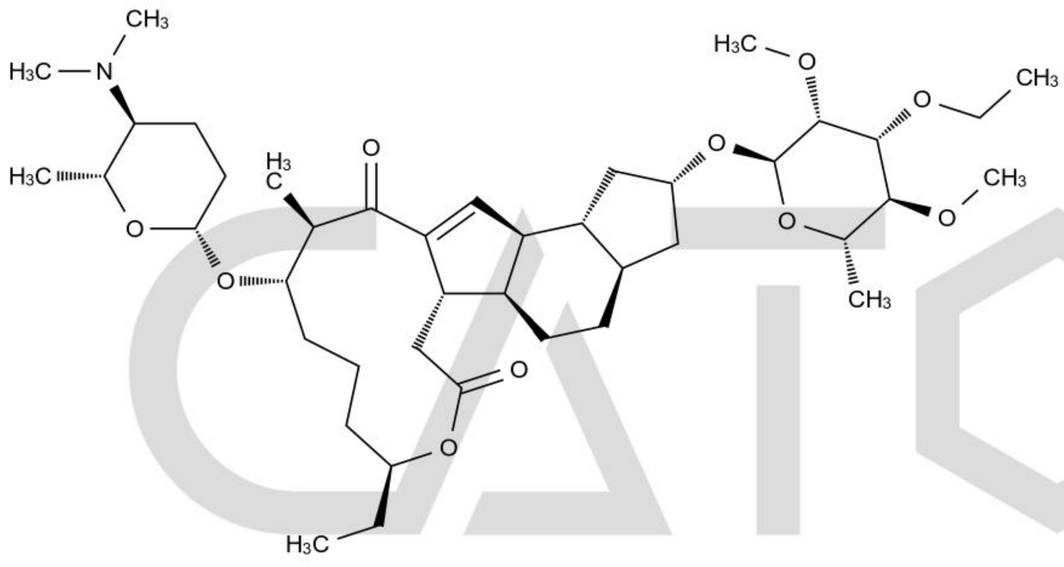
Certificate of Analysis

Reference Material & Standard

Product Name:	Spinetoram J	**Catalogue Number:**	CCPD101467
Synonyms:	N/A	**Lot Number:**	1117-RG-0061
CAS Number:	187166-40-1	**Expiry Date:**	Nov 24, 2029
Molecular Formula:	$C_{42}H_{69}NO_{10}$	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	748.00	**Shipping Condition:**	Shipping with Ice Packs
		Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	ELSD	99.0%
Assay	qNMR	83.1%
Uncertainty		±2.8%

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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: Alice Date: Nov 25, 2025

Reviewed by: Lisa Date: Nov 25, 2025

Approved by General Manager: David Date: Nov 25, 2025

CATO Research Chemicals Inc.