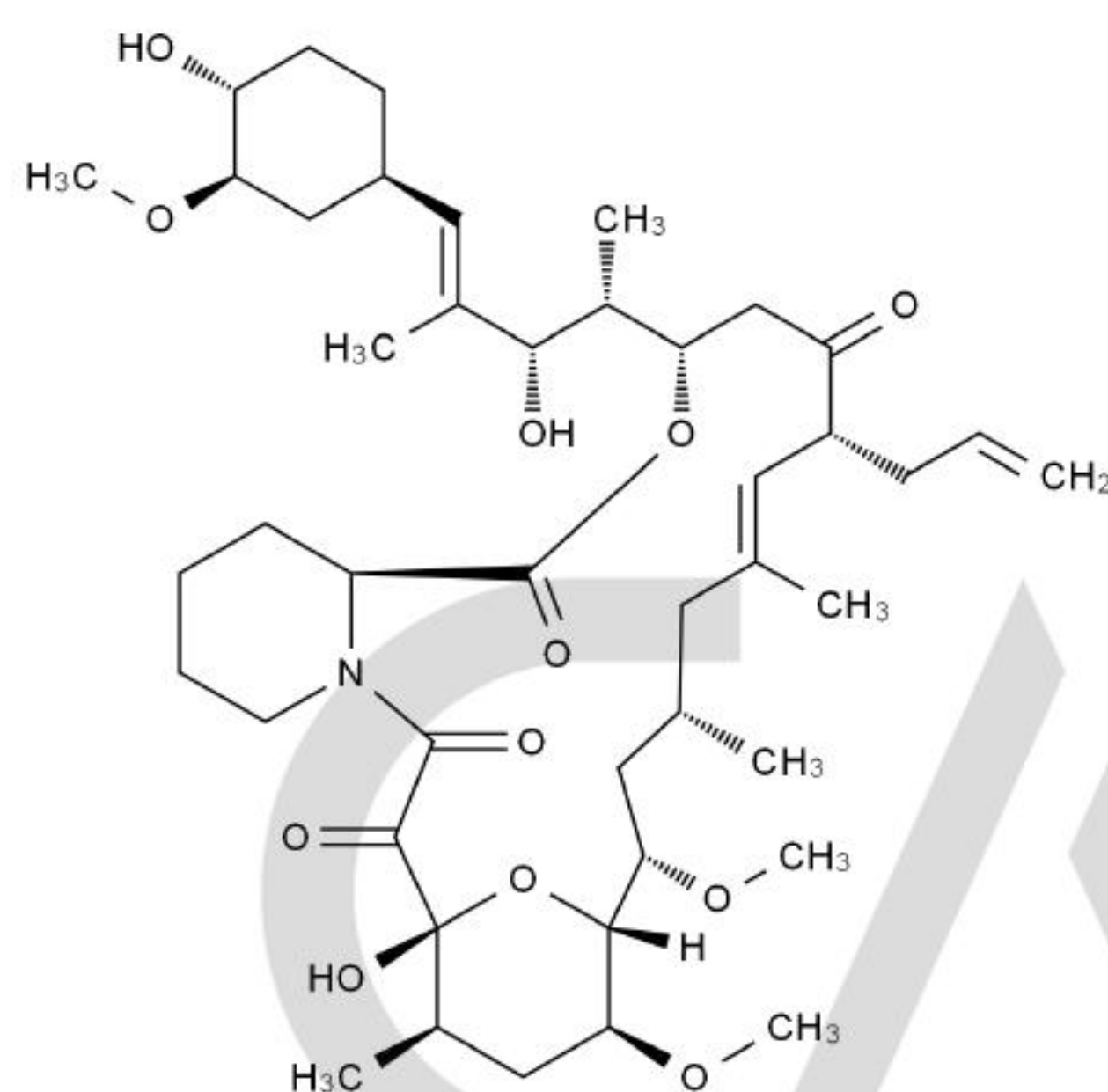


Certificate of Analysis

Reference Material & Standard

Product Name:	Tacrolimus Lactone Isomer (Iso-FK-506)	Catalogue Number:	C4X-13008
Synonyms:	N/A	Lot Number:	0604-RG-0003
CAS Number:	134590-88-8	Expiry Date:	Dec 12, 2028
Molecular Formula:	C ₄₄ H ₆₉ NO ₁₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	804.02	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	97.1664%
Water Content	Karl Fischer	0.70%
Residual Solvents	NMR	1.3% acetone
Specific Rotation		[α] _D ^{25.0} (c=0.45, CHCl ₃): -37.5°
Assay		95.2%

Comment:

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

Assay (%) = (100% - Water Content - Residual Solvents) * 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: Aug 28, 2026

Date: Aug 28, 2026

Date: Aug 28, 2026



Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

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