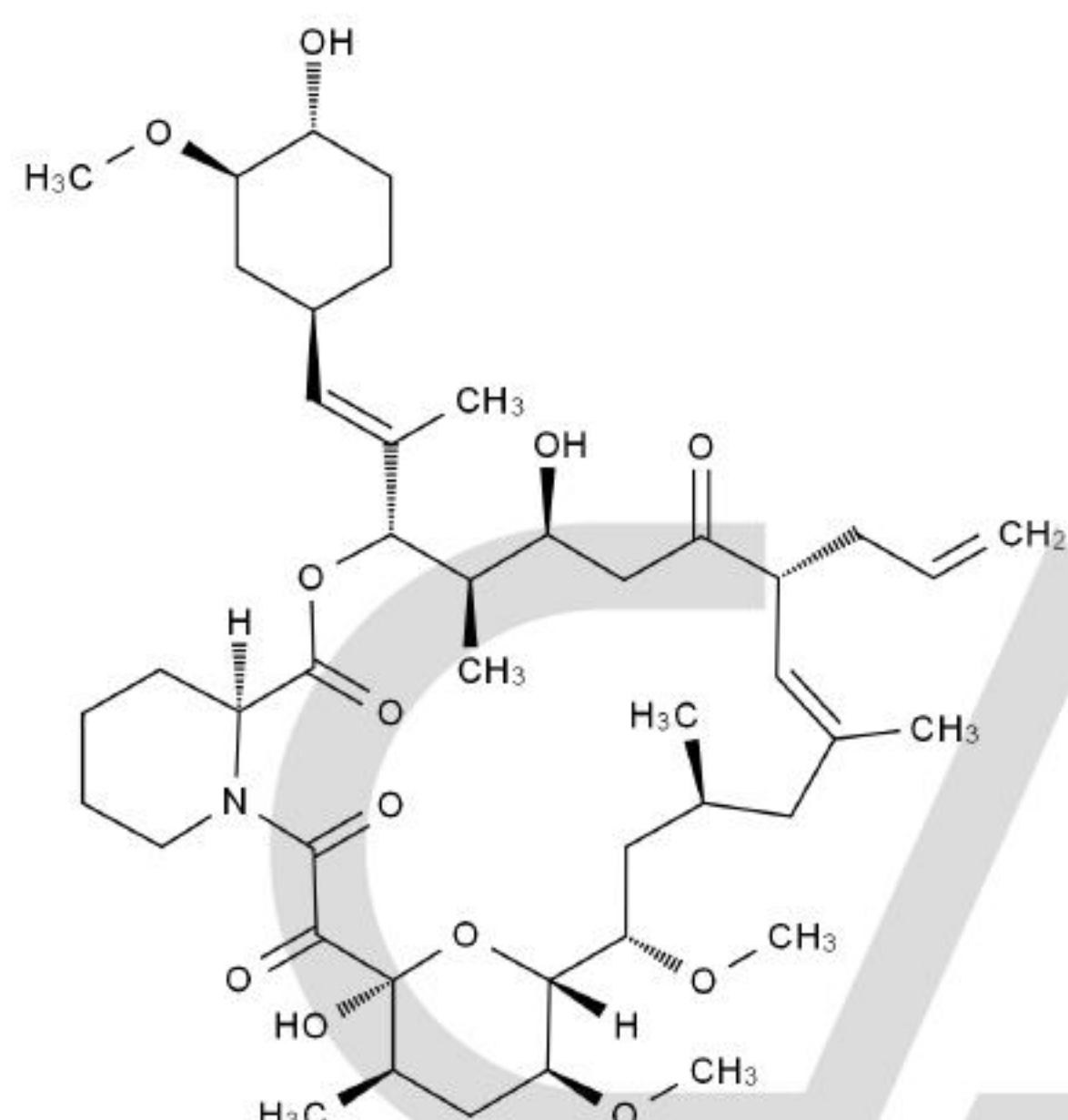


Certificate of Analysis

Reference Material & Standard

Product Name:	Tacrolimus EP Impurity G	Catalogue Number:	C4X-130019
Synonyms:	19-Epi FK-506 (Tacrolimus Impurity)	Lot Number:	1211-RG-0032
CAS Number:	144490-63-1	Expiry Date:	Oct 19, 2026
Molecular Formula:	C ₄₄ H ₆₉ NO ₁₂	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	804.02	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	96.24%
Loss On Drying	TGA	1.009%
Assay		95.3%

Comment:

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

Assay (%) = (100% - Loss On Drying) * Purity HPLC (%) / 100%

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Reviewed by:

Approved by General Manager:

Date: Dec 12, 2025

Date: Dec 12, 2025

Date: Dec 12, 2025



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