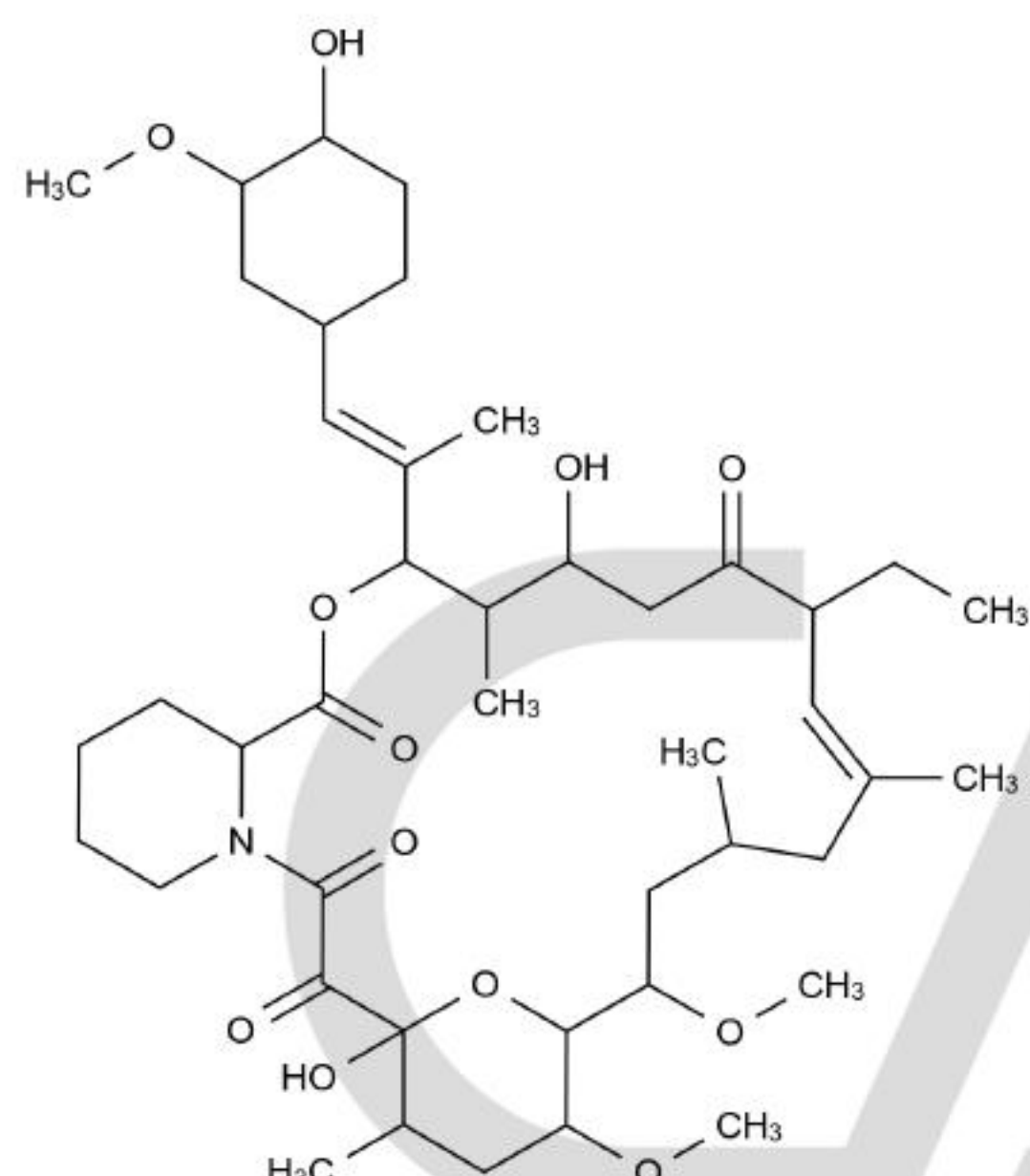


Certificate of Analysis

Reference Material & Standard

Product Name:	Tacrolimus impurity 44	Catalogue Number:	C4X-130044
Synonyms:	N/A	Lot Number:	0728-RH-0004
CAS Number:	135635-46-0	Expiry Date:	Mar 27, 2030
Molecular Formula:	C ₄₃ H ₆₉ NO ₁₂	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	792.01	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.39%
Loss on Drying	TGA	1.352%
Assay		97.1%

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: Jul 28, 2026

Date: Jul 28, 2026

Date: Jul 28, 2026



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