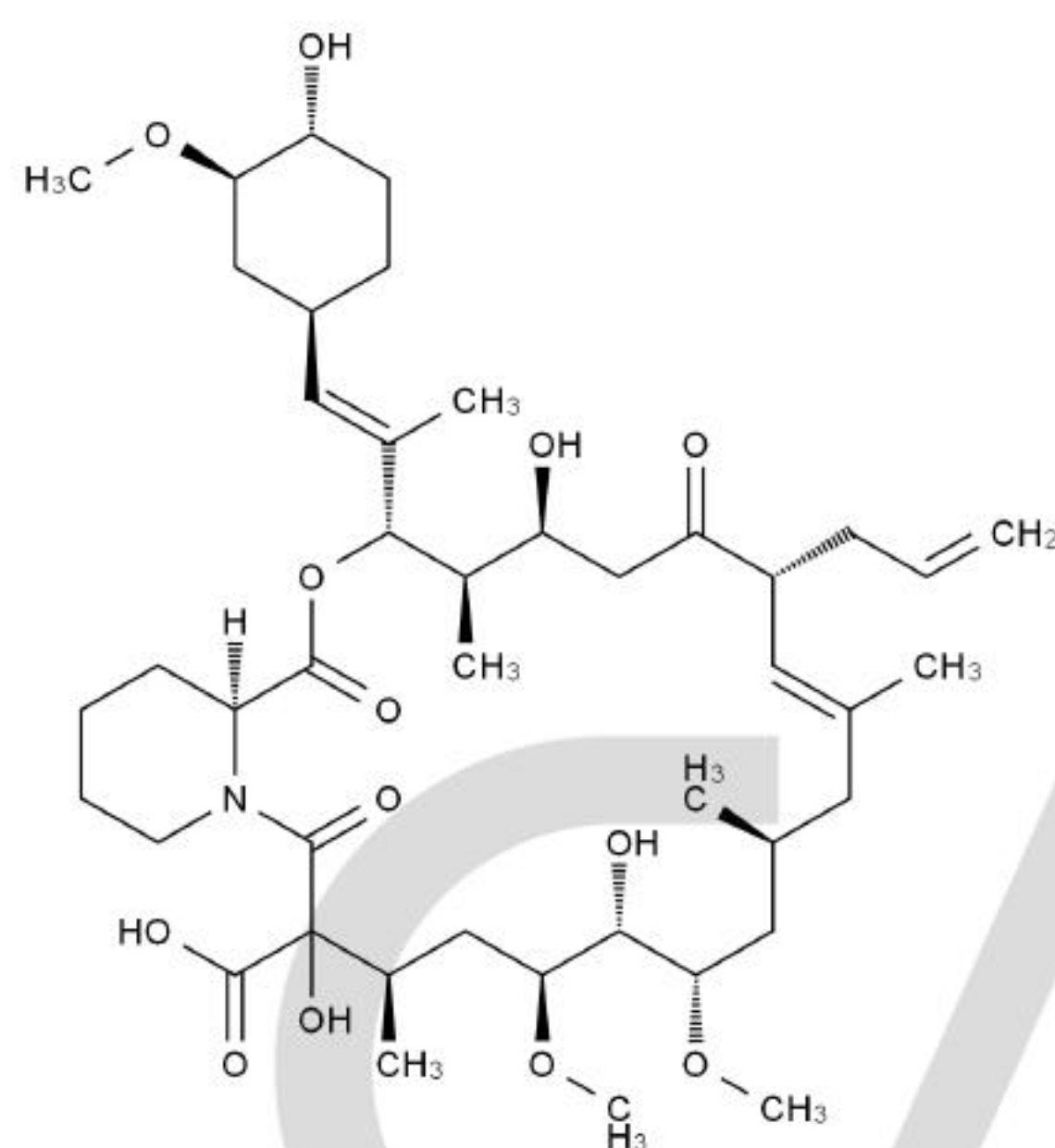


Certificate of Analysis

Reference Material & Standard

Product Name:	Tacrolimus Hydroxy Acid Impurity	Catalogue Number:	C4X-130020
Synonyms:	N/A	Lot Number:	0815-RG-0059
CAS Number:	1700657-83-5	Expiry Date:	Apr 19, 2029
Molecular Formula:	C44H71NO13	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	822.03		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.18%
Loss On Drying	TGA	0.549%
Assay		96.6%

Comment:

The calculation of the 100% 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:

Lily

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Aug 18, 2025

Date: Aug 18, 2025

Date: Aug 18, 2025

