

Certificate of Analysis

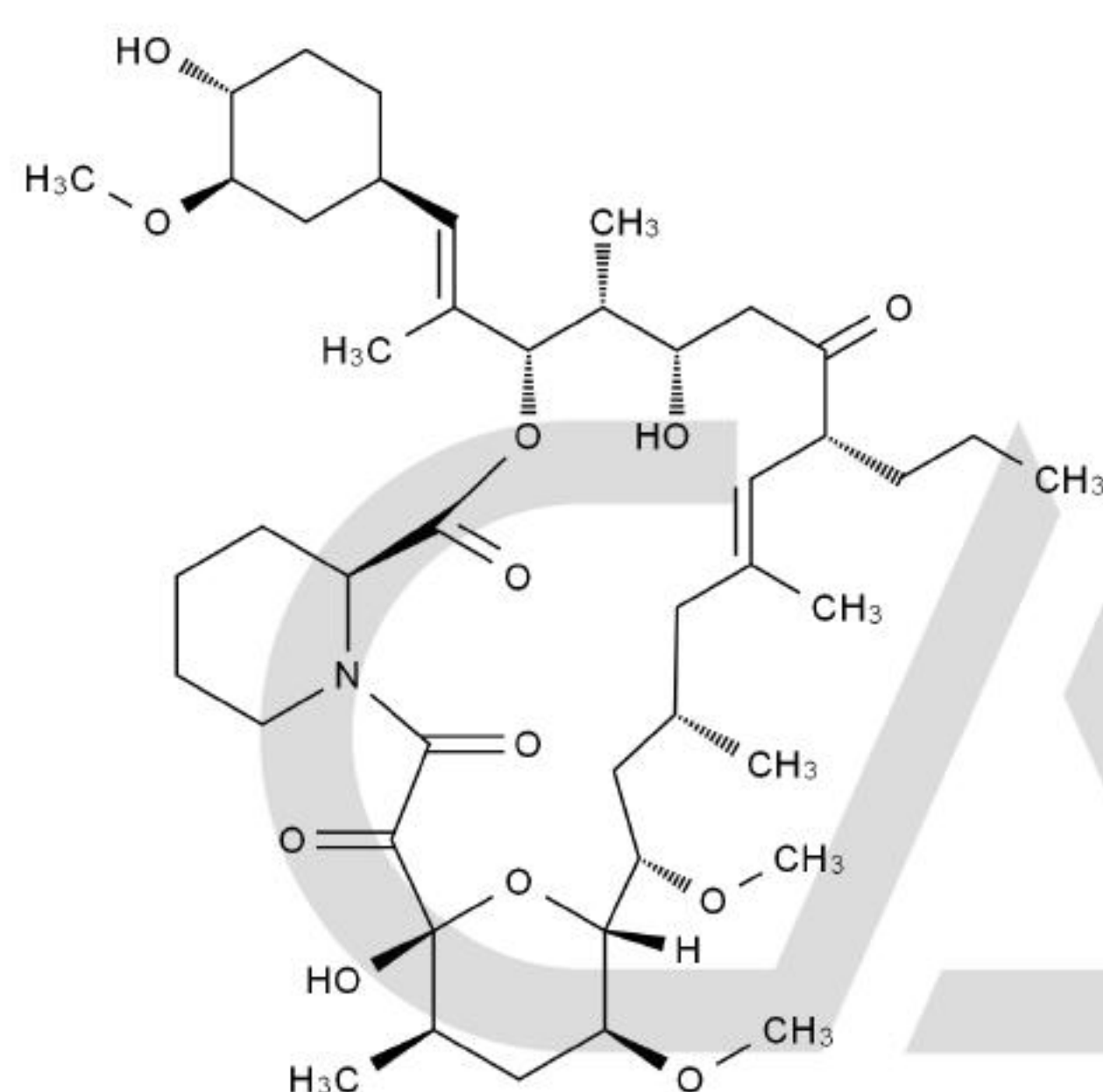
Reference Material & Standard

Product Name:	Tacrolimus EP Impurity E	Catalogue Number:	C4X-13009
Synonyms:	Dihydro Tacrolimus	Lot Number:	1030-RG-0083
CAS Number:	104987-30-6	Expiry Date:	Oct 27, 2029
Molecular Formula:	C ₄₄ H ₇₁ NO ₁₂	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	806.03	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&IR&UV&HNMR	Confirmed
Purity	HPLC	96.4835%
Loss On Drying	TGA	1.829%
Assay		94.7%

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:

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Date: Nov 04, 2025

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