

Certificate of Analysis

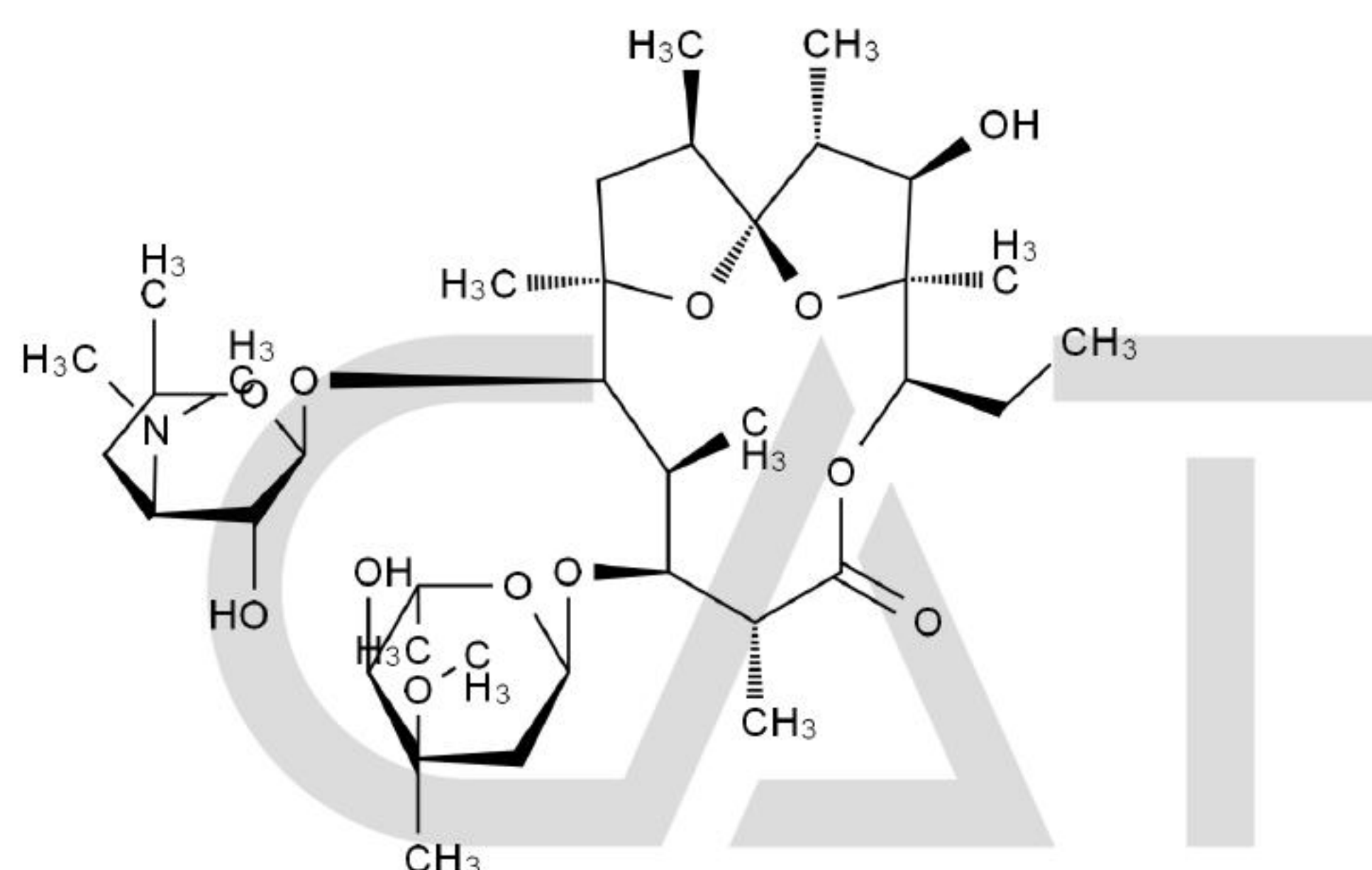
Reference Material & Standard

Product Name:	Erythromycin EP Impurity D	Catalogue Number:	C4X-10013
Synonyms:	N/A	Lot Number:	0211-RH-0098
CAS Number:	23893-13-2	Expiry Date:	Feb 10, 2030
Molecular Formula:	C ₃₇ H ₆₅ NO ₁₂	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	715.91	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&UV&CNMR&HNMR	Confirmed
Purity	HPLC	97.164%
Water Content	Karl Fischer	0.32%
Residual Solvents	NMR	0.96% dichloromethane
Assay		95.9%

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: Mar 05, 2026

Date: Mar 05, 2026

Date: Mar 05, 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>

