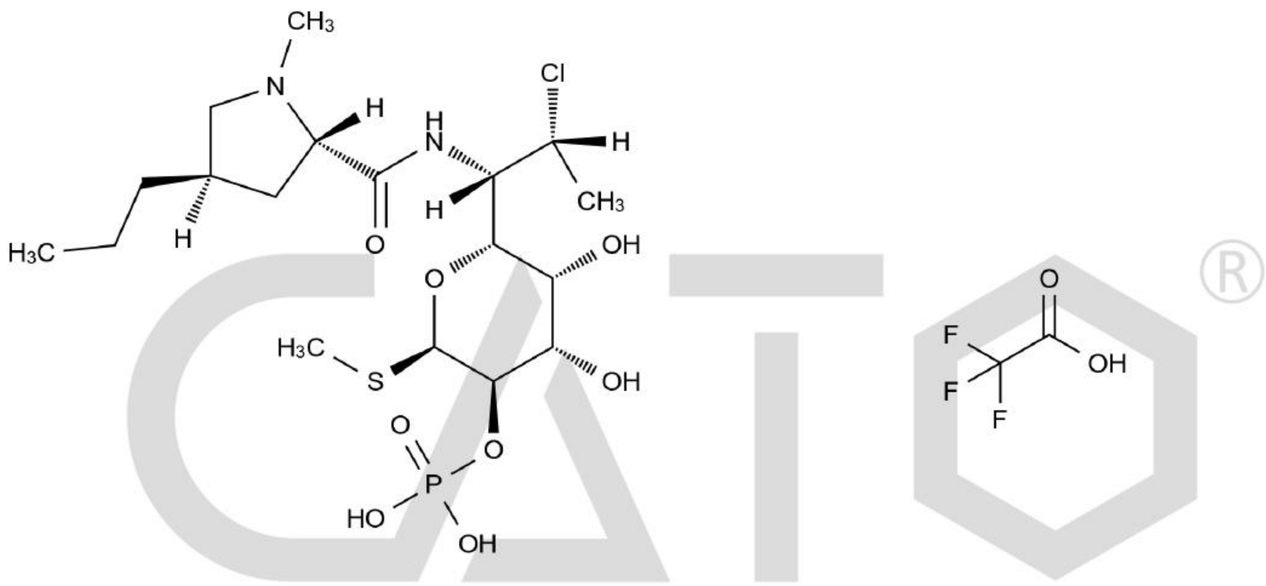
Certificate of Analysis

Reference Material & Standard

Product Name:	Clindamycin Phosphas EP Impurity L Trifluoroacetate	**Catalogue Number:**	C4X-1341166
Synonyms:	N/A	**Lot Number:**	0624-RH-0068
CAS Number:	620181-05-7	**Expiry Date:**	Mar 04, 2030
Molecular Formula:	$C_{18}H_{34}ClN_2O_8PS\ C_2HF_3O_2$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	504.96 114.02	**Shipping Condition:**	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&UV&HNMR	Confirmed
Purity	HPLC	98.497%
Water Content	Karl Fischer	1.79%
Residual Solvents	NMR	Not detected in NMR
Assay		96.7%

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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: Date: Jun 25, 2026

Reviewed by: Date: Jun 25, 2026

Approved by General Manager: Date: Jun 25, 2026

CATO Research Chemicals Inc.