

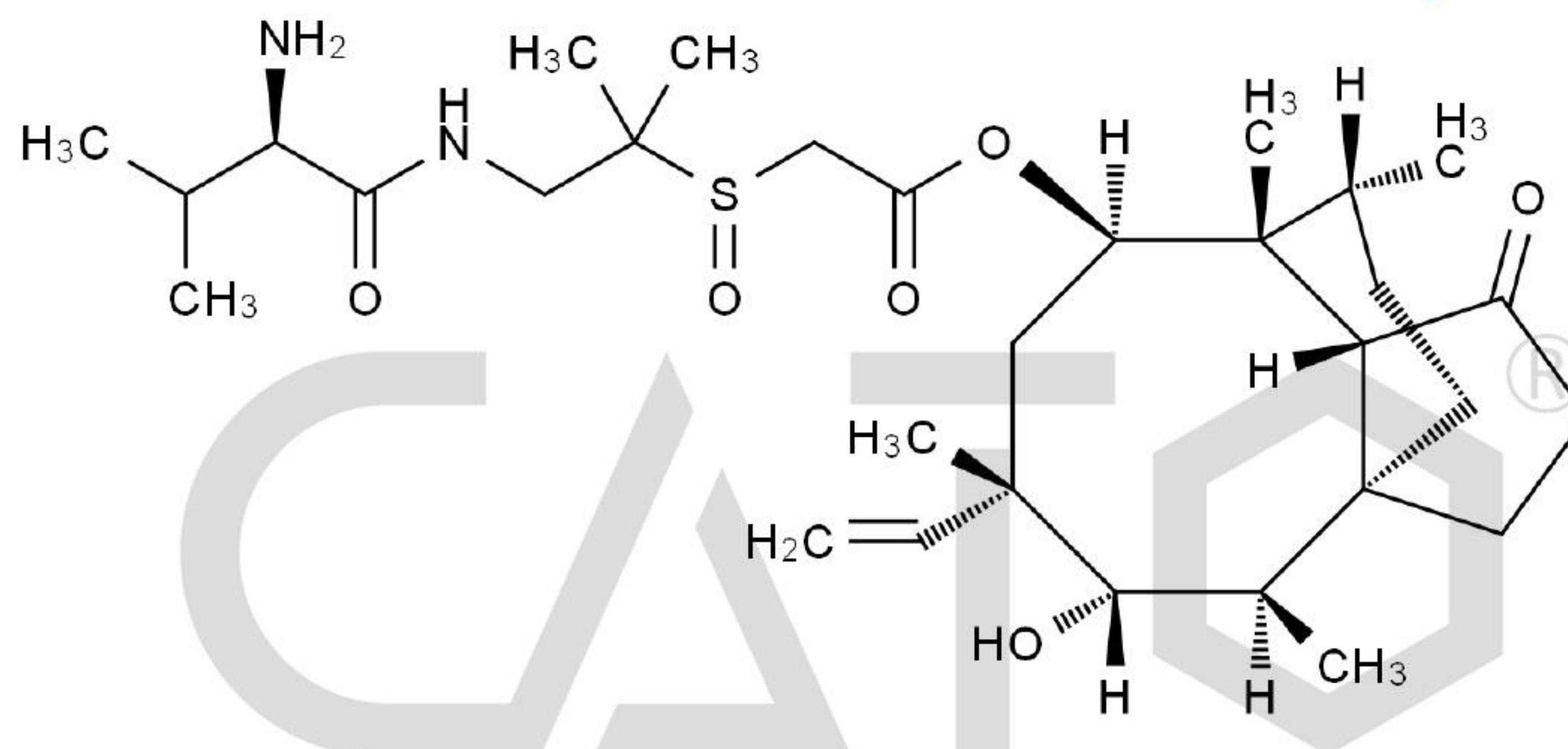
Certificate of Analysis

Reference Material & Standard

Product Name:	Valnemulin EP Impurity A (Mixture of Diastereomers)	Catalogue Number:	C4X-19991
Synonyms:	N/A	Lot Number:	1124-RE-0037
CAS Number:	1624614-06-7	Expiry Date:	Nov 16, 2026
Molecular Formula:	C ₃₁ H ₅₂ N ₂ O ₆ S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	580.82	Warning:	



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	99.1408%
Water Content	Karl Fischer	2.60%
Residual Solvents	NMR	1.0% methanol
Assay		95.6%

Comment:

The calculation of the 100% 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:

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Aporoved by General Manager:

David

Date: Nov 27, 2023

Date: Nov 27, 2023

Date: Nov 27, 2023

