CATO Research Chemicals Inc.

Make the Tests More Accurate

ISO 17034 : 2016 | ISO 9001 : 2015

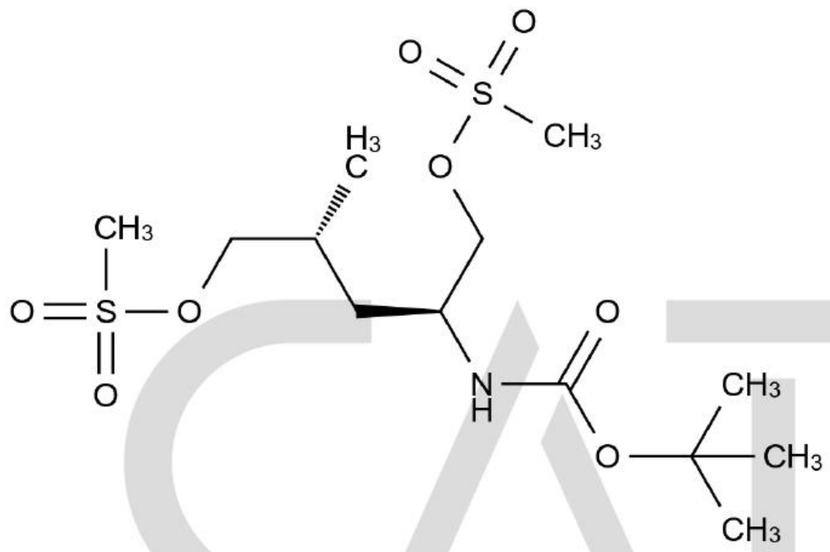
No.: 202508230003

Certificate of Analysis

Reference Material & Standard

Product Name:	Nemonoxacin Impurity 64	**Catalogue Number:**	C4X-312864
Synonyms:	N/A	**Lot Number:**	0925-RF-0047
CAS Number:	N/A	**Expiry Date:**	Sep 26, 2028
Molecular Formula:	C13H27NO8S2	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	389.49	**Warning:**	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	ELSD	99.441%
Loss On Drying	TGA	18.3537%
Assay		81.2%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Loss On Drying) * Purity ELSD (%) /100%*
Loss On Drying is considered as absolute effect, ELSD purity is considered as relative effect.

Signature:

Prepared by: Koji Date: Aug 25, 2025

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