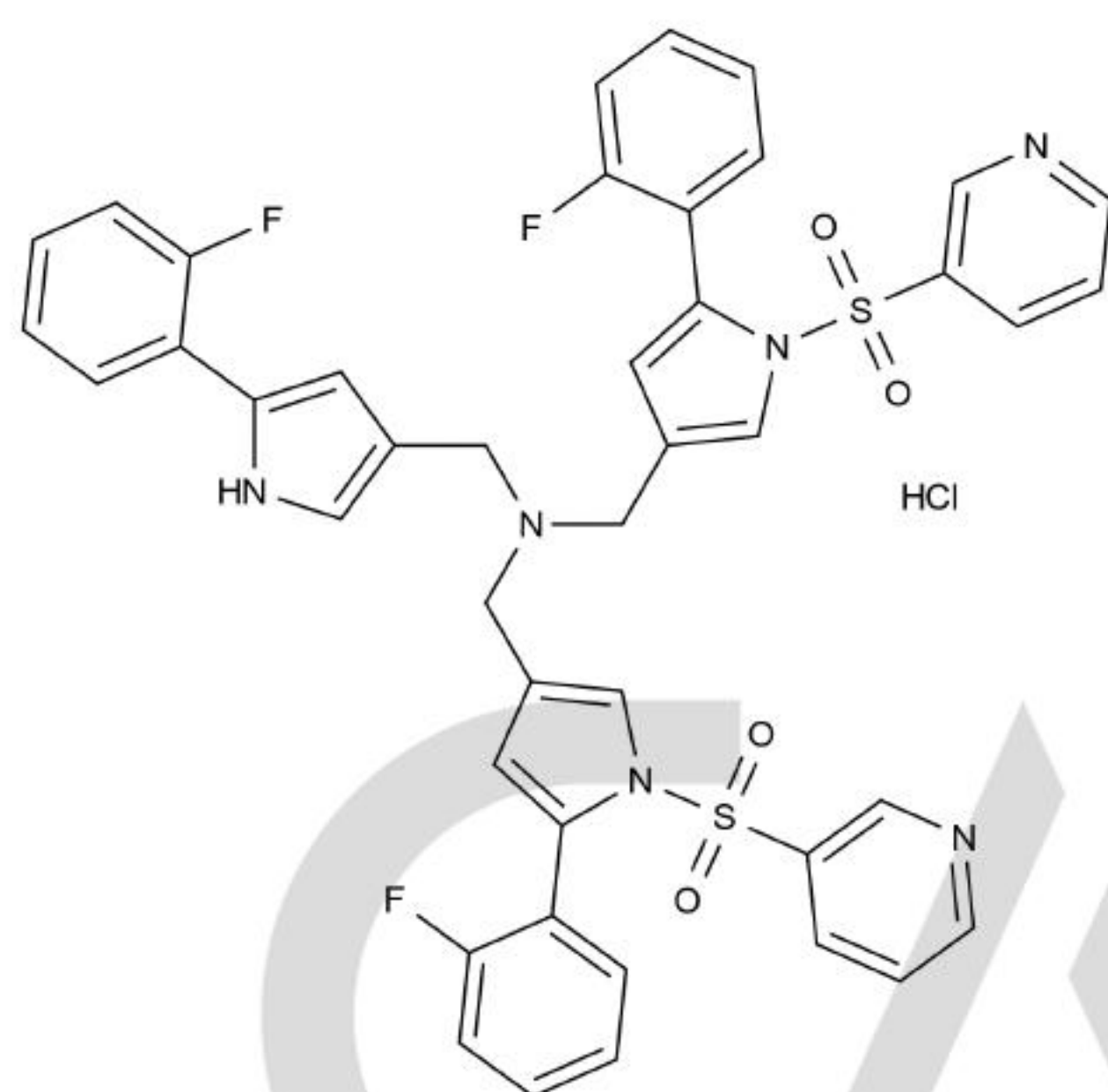


Certificate of Analysis

Reference Material & Standard

Product Name:	Vonoprazan Impurity 171 HCl	Catalogue Number:	C4X-1020171
Synonyms:	N/A	Lot Number:	0218-RG-0073
CAS Number:	N/A	Expiry Date:	May 18, 2026
Molecular Formula:	C ₄₃ H ₃₃ F ₃ N ₆ O ₄ S ₂ HCl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	818.89 36.46		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Brown Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.537%
Water Content	Karl Fischer	2.91%
Residual Solvents	NMR	0.73% acetonitrile
Assay		95.9%

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:

Prepared by:

Lily

Reviewed by:

Hin Lam

Approved by General Manager:

David

Date: Feb 19, 2025

Date: Feb 19, 2025

Date: Feb 19, 2025

