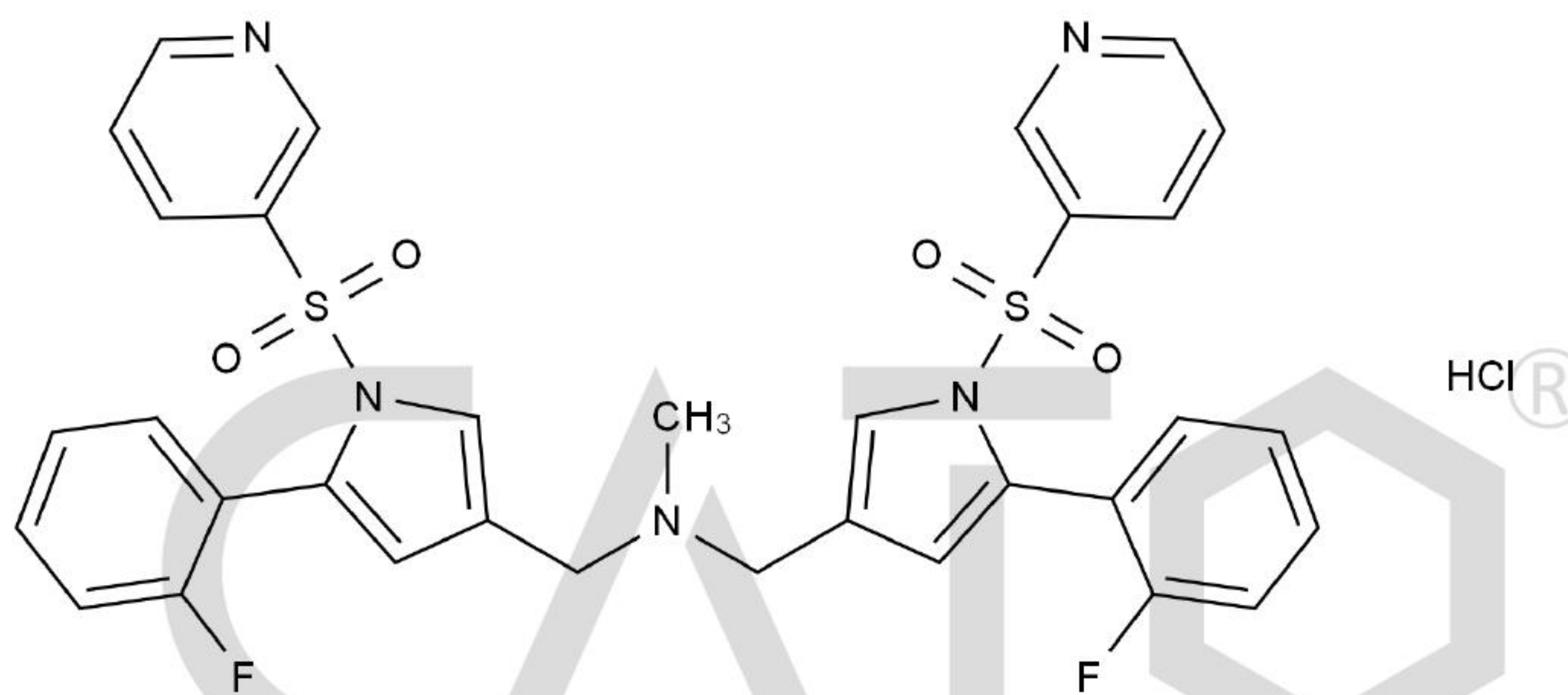


Certificate of Analysis

Reference Material & Standard

Product Name:	Vonoprazan Impurity 127	Catalogue Number:	C4X-1020127
Synonyms:	N/A	Lot Number:	0911-RE-0099
CAS Number:	2250243-23-1 (free base)	Expiry Date:	Sep 22, 2029
Molecular Formula:	C ₃₃ H ₂₇ F ₂ N ₅ O ₄ S ₂ HCl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	659.73 36.46	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Pink Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.132%
Water Content	Karl Fischer	0.20%
Assay		98.9%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Water Content) * Purity HPLC (%) / 100%

Water Content is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Hin Lam

Reviewed by:

Yuki-i

Approved by General Manager:

David

Date: Dec 12, 2025

Date: Dec 12, 2025

Date: Dec 12, 2025



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>

