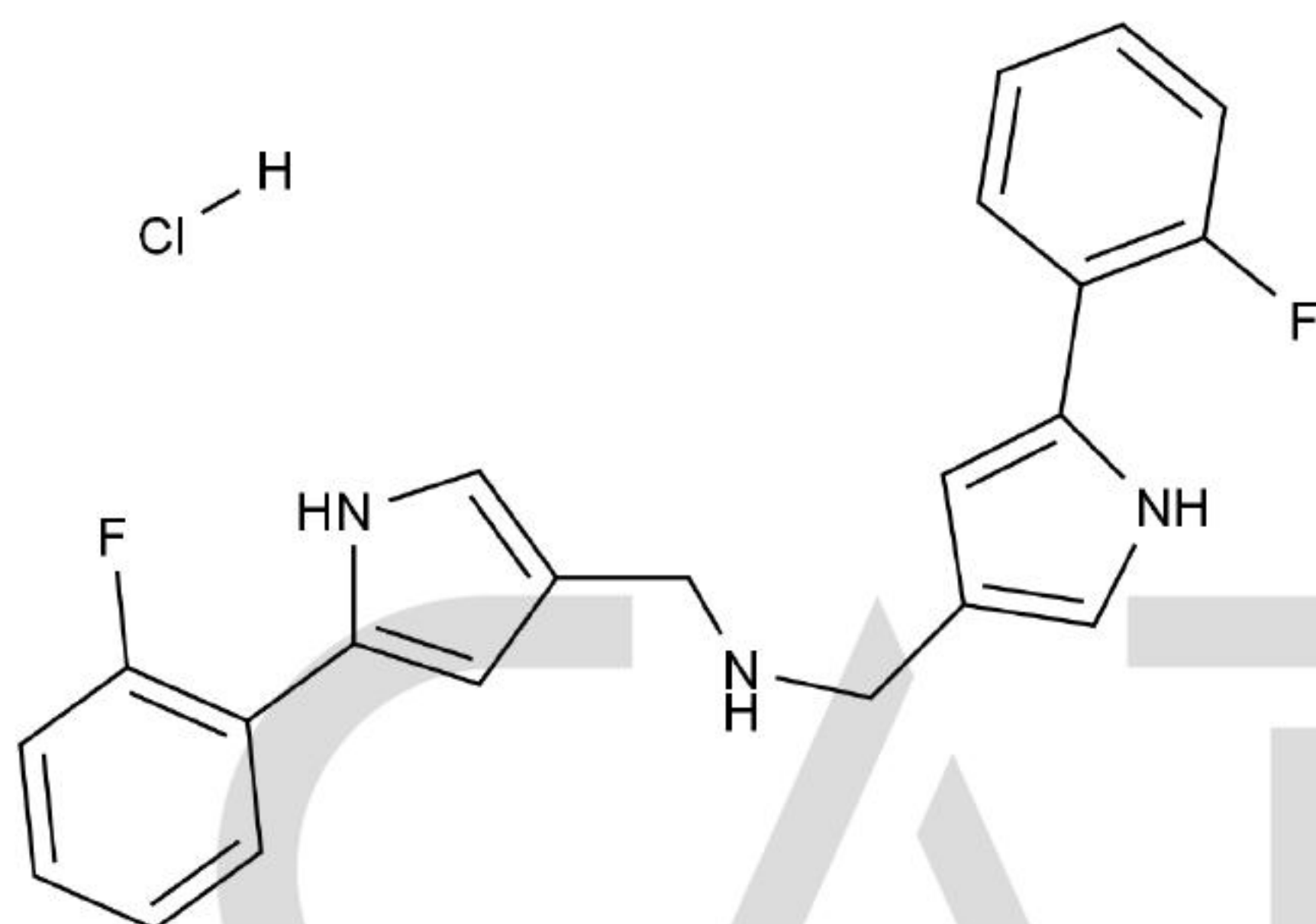


Certificate of Analysis

Reference Material & Standard

Product Name:	Vonoprazan Impurity 141	Catalogue Number:	C4X-1020141
Synonyms:	N/A	Lot Number:	0120-RG-0128
CAS Number:	2514724-36-6(free base)	Expiry Date:	Jan 19, 2028
Molecular Formula:	C ₂₂ H ₁₉ F ₂ N ₃ HCl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	363.40 36.46		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Purple Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.228%
Residue on Ignition	TGA	0.3413%
Loss On Drying	TGA	0.1694%
Assay		96.7%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Residue on Ignition - Loss On Drying) * Purity HPLC (%) / 100%

Residue on Ignition and Loss On Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Jan 23, 2025

Date: Jan 24, 2025

Date: Jan 24, 2025

