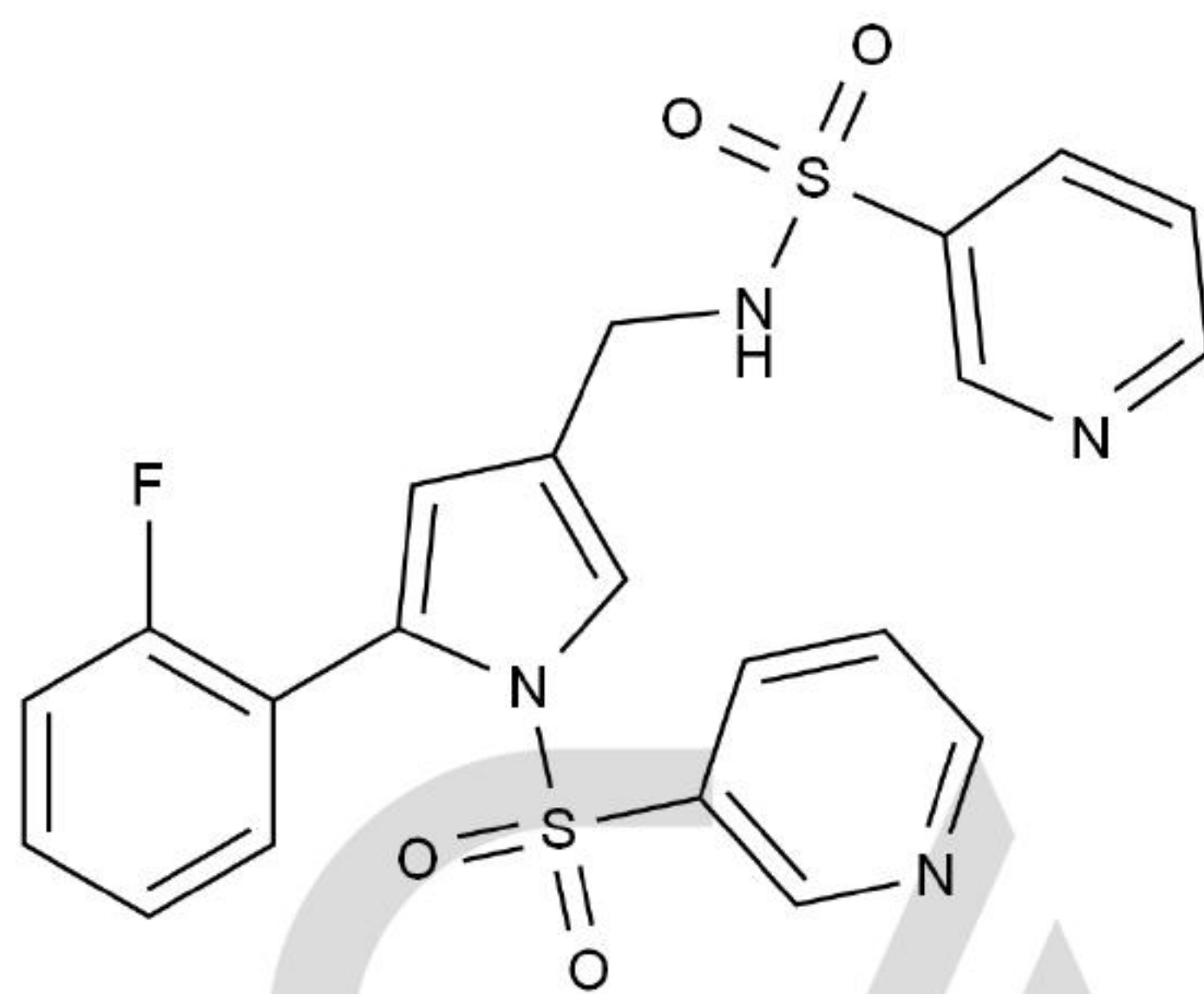


Certificate of Analysis

Reference Material

Product Name:	Vonoprazan Impurity 162	Catalogue Number:	C4X-1020162
Chemical Name:	N/A	Lot Number:	0712-RE-0061
CAS Number:	N/A	Expiry Date:	Jul 16, 2026
Molecular Formula:	C ₂₁ H ₁₇ FN ₄ O ₄ S ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	472.51		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.820%
Loss On Drying	TGA	0.3884%
Assay		99.4%

Comment:

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

$\text{Assay (\%)} = (100\% - \text{Loss On Drying}) * \text{Purity HPLC (\%)} / 100\%$

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Aporoved by General manager:

David

Date: Jul 17, 2023

Date: Jul 17, 2023

Date: Jul 17, 2023

