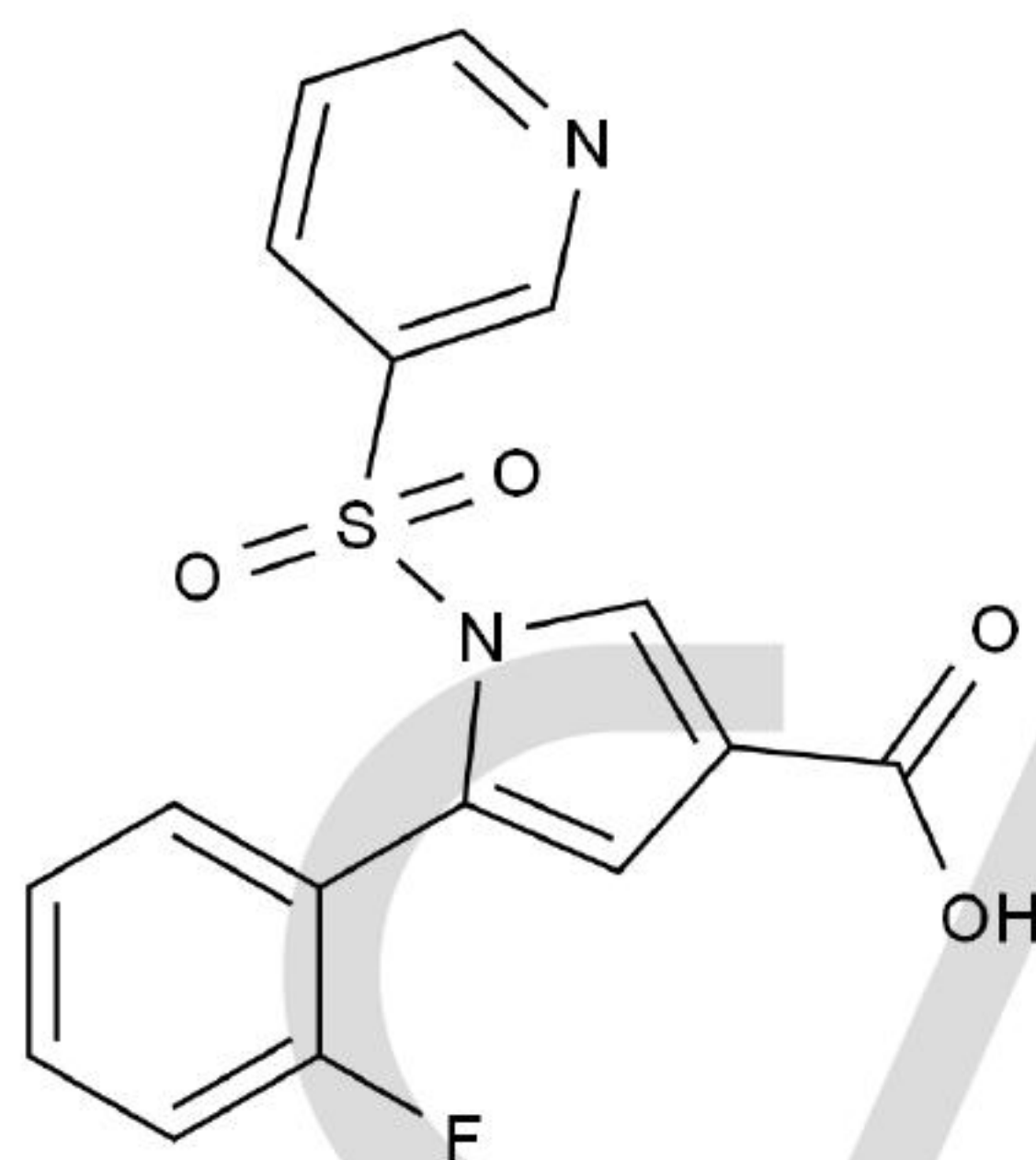


Certificate of Analysis

Reference Material & Standard

Product Name:	Vonoprazan Fumarate Impurity 18	Catalogue Number:	C4X-102018
Synonyms:	N/A	Lot Number:	0815-RG-0065
CAS Number:	1883595-37-6	Expiry Date:	Aug 15, 2029
Molecular Formula:	C ₁₆ H ₁₁ FN ₂ O ₄ S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	346.33	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Solid
Identification	LCMS&UV&HNMR	Confirmed
Purity	HPLC	98.770%
Loss On Drying	TGA	0.10%
Assay		98.7%

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:

Lily

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Aug 19, 2025

Date: Aug 19, 2025

Date: Aug 19, 2025

