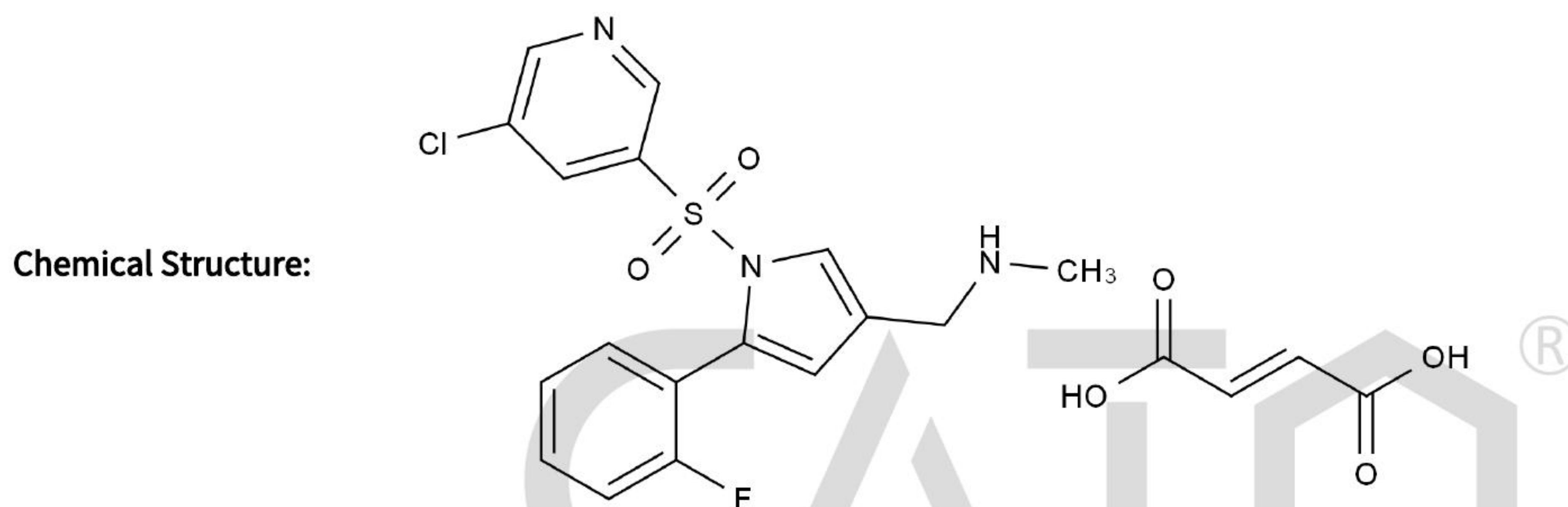


Certificate of Analysis

Reference Material & Standard

Product Name:	Vonoprazan Fumarate Impurity 81	Catalogue Number:	C4X-102081
Synonyms:	N/A	Lot Number:	0721-RG-0065
CAS Number:	N/A	Expiry Date:	Aug 11, 2028
Molecular Formula:	C ₁₇ H ₁₅ ClFN ₃ O ₂ S C ₄ H ₄ O ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	379.84 116.07		



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	HPLC	99.7766%
Water Content	Karl Fischer	0.11%
Residual Solvents	NMR	Not detected in NMR
Assay		99.7%

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:

Hinlam

Approved by General Manager:

David

Date: Jul 21, 2025

Date: Jul 21, 2025

Date: Jul 21, 2025

