

Certificate of Analysis

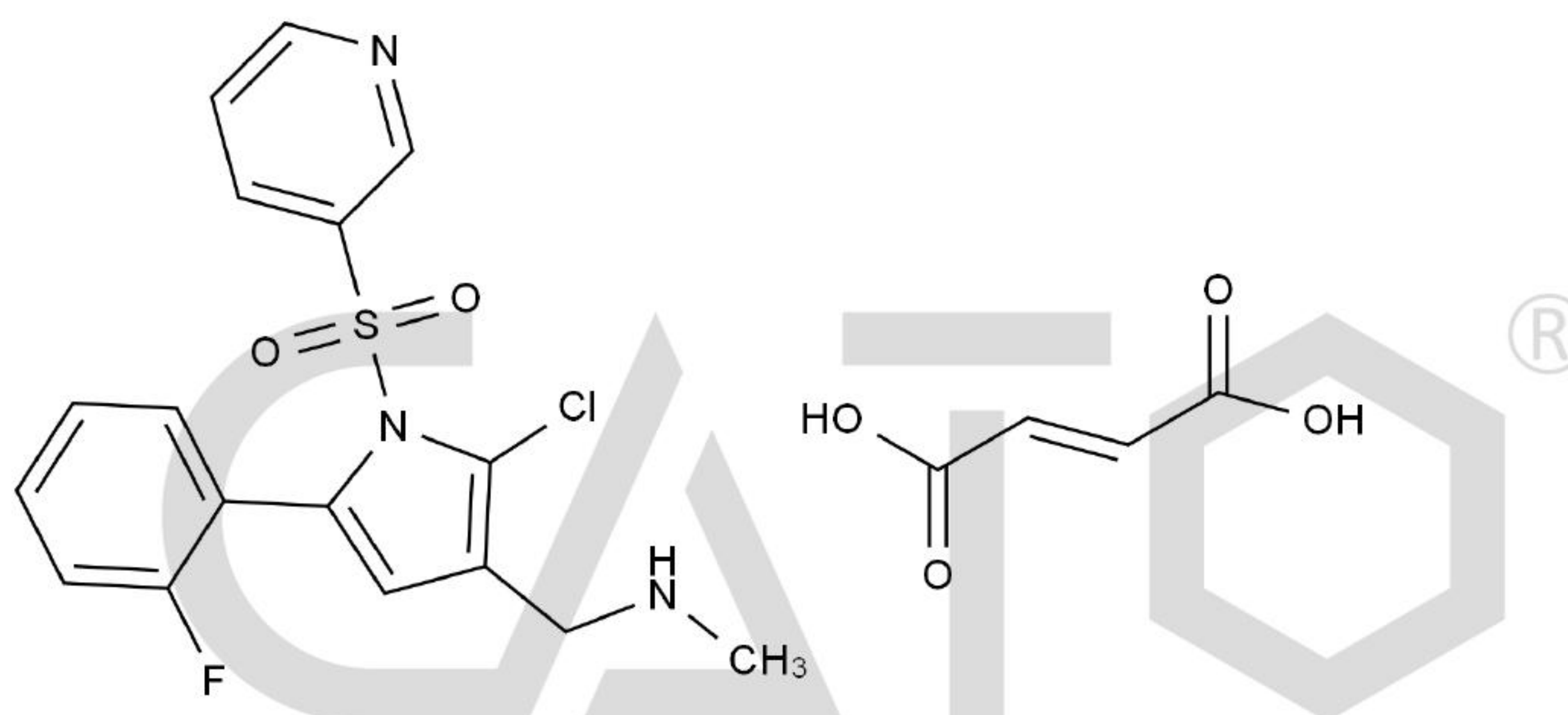
Reference Material & Standard

Product Name:	Vonoprazan Fumarate Impurity 111	Catalogue Number:	C4X-1020111
Synonyms:	N/A	Lot Number:	0525-RH-0107
CAS Number:	928325-69-3	Expiry Date:	Aug 17, 2029
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	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&UV&HNMR	Confirmed
Purity	HPLC	97.763%
Water Content	Karl Fischer	1.06%
Residual Solvents	NMR	0.65% ethyl acetate and 0.21% methanol
Assay		95.9%

Comment:

The calculation of the mass balance 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:

Reviewed by:

Approved by General Manager:

Date: May 27, 2026

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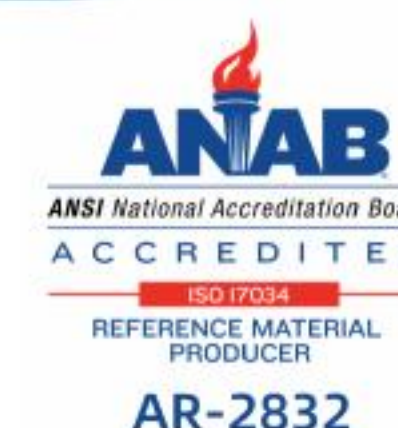
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