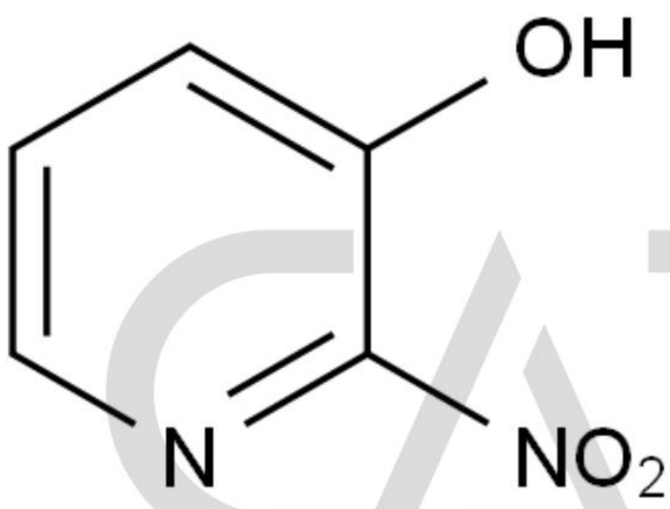
Certificate of Analysis

Reference Material & Standard

Product Name:	Vonoprazan Impurity 133	**Catalogue Number:**	C4X-1020133
Synonyms:	N/A	**Lot Number:**	0917-RH-0081
CAS Number:	15128-82-2	**Expiry Date:**	Sep 16, 2030
Molecular Formula:	$C_5H_4N_2O_3$	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	140.10	**Shipping Condition:**	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	99.9%
Assay	qNMR	97.7%

CATO Research Chemicals Inc.

Signature:

Prepared by: Koji Date: Sep 17, 2026

Reviewed by: Lisa Date: Sep 17, 2026

Approved by General Manager: David Date: Sep 17, 2026

CATO Research Chemicals Inc.