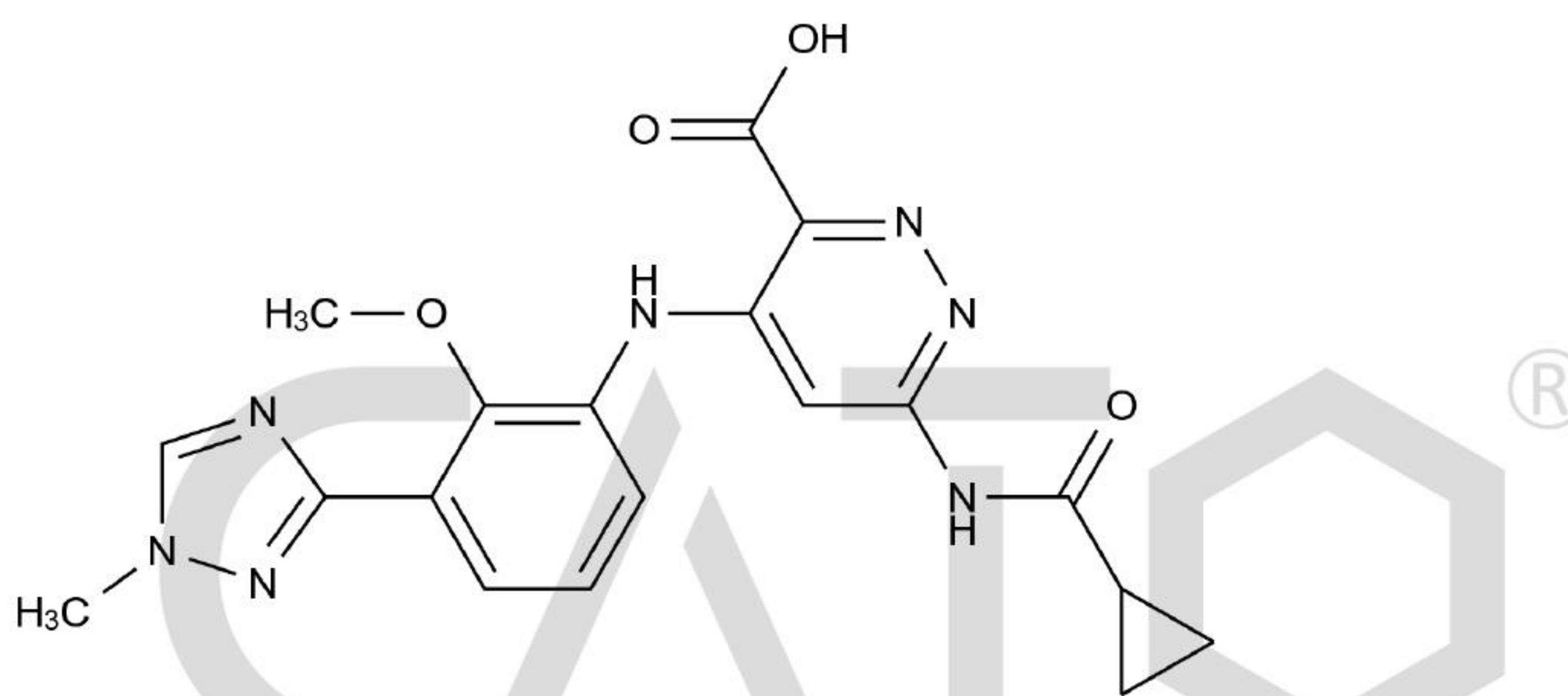


Certificate of Analysis

Reference Material & Standard

Product Name:	Deucravacitinib Impurity 13	Catalogue Number:	C4X-313813
Synonyms:	N/A	Lot Number:	0423-RH-0044
CAS Number:	2245111-18-4	Expiry Date:	Sep 18, 2028
Molecular Formula:	C ₁₉ H ₁₉ N ₇ O ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	409.40	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&UV&HNMR	Confirmed
Purity	HPLC	98.891%
Water Content	Karl Fischer	7.84%
Residual Solvents	NMR	Not detected in NMR
Assay		91.1%

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: Apr 24, 2026

Date: Apr 25, 2026

Date: Apr 25, 2026



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