CERTIFICATE OF ANALYSIS

(Certificate No. KMR062009-01)

Release Date: 16/07/2026 **Re-test Date:** 15/07/2029

Riociguat EP Impurity D

Identification

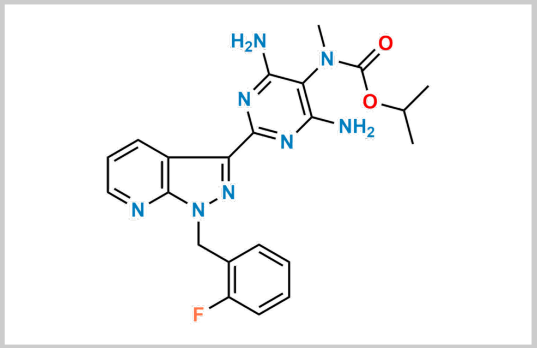
Chemical Name :
Propan-2-yl [4,6-diamino-2-[1-[(2-fluorophenyl)methyl]-1H-pyrazolo[3,4-b]pyridin-3-yl]pyrimidin-5-yl](methyl)carbamate (as per EP)

CAT No. : KMR062009

CAS No. : 625115-54-0

Molecular Formula : C22H23FN8O2

Molecular Weight : 450.5



Analytical Information

Batch No.	: R062009-136-103	**Solubility**	: ACN : Water (1:1)
Description	: Light Brown Solid	**Mass**	: Confirm
HPLC Purity	: 97.52 %	**IR**	: Confirm
Weight Loss By TGA	: 0.19 %	**1H NMR**	: Confirm
% Potency	: 97.33 %		

Additional Information

Long Term Storage : Store at 2-8 deg. C for long term storage

Shipping Condition : Product is stable to be Shipped at Room Temperature

% Potency = [100 - 0.19(Weight Loss By TGA)] x [97.52(HPLC Purity)]/100 = 97.33 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		16/07/2026
Reviewed & Approved By	Quality Control	Jatin Patel		16/07/2026

Attachments : COA, HPLC, MASS, 1HNMR, IR and TGA