

CERTIFICATE OF ANALYSIS

(Certificate No. KMQ001056-01)

Release Date: 20/03/2026

Re-test Date: 19/03/2029

Quetiapine EP Impurity V

Identification

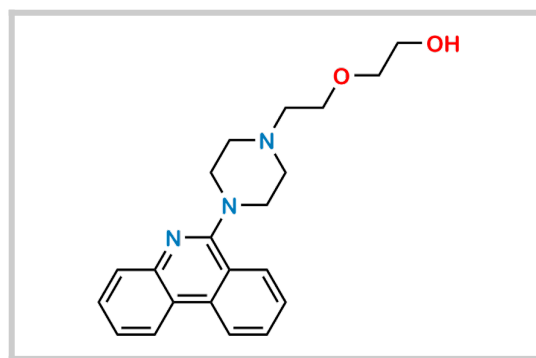
Chemical Name :
2-[2-[4-(phenanthridin-6-yl)piperazin-1-yl]ethoxy]ethanol

CAT No. : KMQ001056

CAS No. : 2204369-14-0

Molecular Formula : C₂₁H₂₅N₃O₂

Molecular Weight : 351.5



Analytical Information

Batch No. : Q001056-114-213

Description : Light Brown Thick Syrup

HPLC Purity : 99.49 %

Weight Loss By TGA : 1.99 %

% Potency : 97.51 %

Solubility : ACN

Mass : Confirm

IR : Confirm

¹H NMR : Confirm

¹³C NMR : Confirm

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 - 1.99(Weight Loss By TGA)] x [99.49(HPLC Purity)]/100 = 97.51 %

Recommendation : Released

| | Department | Name | Signature | Date |
|-----------------------------------|-----------------|---------------|-----------|------------|
| Prepared By | Analytical | Jignesh Patel | | 09/04/2026 |
| Reviewed & Approved By | Quality Control | Jatin Patel | | 09/04/2026 |

Attachments : COA, HPLC, MASS, ¹H NMR, ¹³C NMR, IR and TGA