

CERTIFICATE OF ANALYSIS

(Certificate No. KMQ001048-01)

Release Date: 19/03/2026

Re-test Date: 18/03/2029

Quetiapine EP Impurity O

Identification

Chemical Name :

11-[4-[2-[2-(Triphenylmethoxy)ethoxy]ethyl]piperazin-1-yl]dibenzo[b,f][1,4]thiazepine (as per EP)

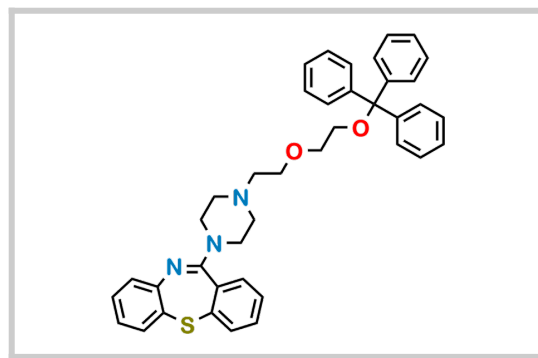
Alt. Name : Quetiapine O-Triptyl Impurity

CAT No. : KMQ001048

CAS No. : 844639-06-1

Molecular Formula : C40H39N3O2S

Molecular Weight : 625.8



Analytical Information

Batch No. : Q001048-114-205

Description : Light Yellow Solid

HPLC Purity : 97.93 %

Weight Loss By TGA : 0.55 %

% Potency : 97.39 %

Solubility : Methanol

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 - 0.55(Weight Loss By TGA)] x [97.93(HPLC Purity)]/100 = 97.39 %

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