

CERTIFICATE OF ANALYSIS

(Certificate No. KMQ001034-01)

Release Date: 01/03/2026

Re-test Date: 28/02/2029

Quetiapine Impurity A

Identification

Chemical Name :

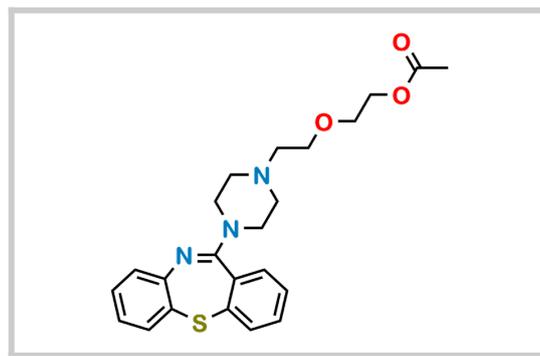
2-[2-[4-(Dibenzo[b,f][1,4]thiazepin-11-yl)piperazin-1-yl]ethoxy]ethyl acetate (as per EP)

CAT No. : KMQ001034

CAS No. : 844639-07-2

Molecular Formula : C₂₃H₂₇N₃O₃S

Molecular Weight : 425.5



Analytical Information

Batch No. : Q001034-114-177

Description : Yellow Thick Syrup

HPLC Purity : 97.56 %

Weight Loss By TGA : 3.26 %

% Potency : 94.38 %

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 - 3.26(Weight Loss By TGA)] x [97.56(HPLC Purity)]/100 = 94.38 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		16/03/2026
Reviewed & Approved By	Quality Control	Jatin Patel		16/03/2026

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