

# CERTIFICATE OF ANALYSIS

(Certificate No. KMQ001057-01)

Release Date: 31/03/2026

Re-test Date: 30/03/2029

## Quetiapine EP Impurity W

### Identification

**Chemical Name :**

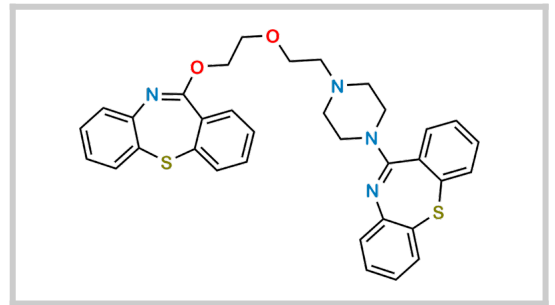
11-(4-[2-[2-(dibenzo[b,f][1,4]thiazepin-11-yloxy)ethoxy]ethyl]piperazin-1-yl)dibenzo[b,f][1,4]thiazepine

CAT No. : KMQ001057

CAS No. : 1800608-95-0

Molecular Formula : C<sub>34</sub>H<sub>32</sub>N<sub>4</sub>O<sub>2</sub>S<sub>2</sub>

Molecular Weight : 592.8



### Analytical Information

Batch No. : Q001057-114-231

Description : Off White Solid

HPLC Purity : 99.70 %

Weight Loss By TGA : 0.73 %

% Potency : 98.97 %

Solubility : Methanol

Mass : Confirm

IR : Confirm

<sup>1</sup>H NMR : Confirm

<sup>13</sup>C 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 - 0.73(Weight Loss By TGA)] x [99.70(HPLC Purity)]/100 = 98.97 %

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, <sup>1</sup>H NMR, <sup>13</sup>C NMR, IR and TGA