

# CERTIFICATE OF ANALYSIS

(Certificate No. KMQ001032-01)

Release Date: 21/03/2025

Re-test Date: 20/03/2028

## QUETIAPINE DESETHOXY IMPURITY

### Identification

**Chemical Name :**

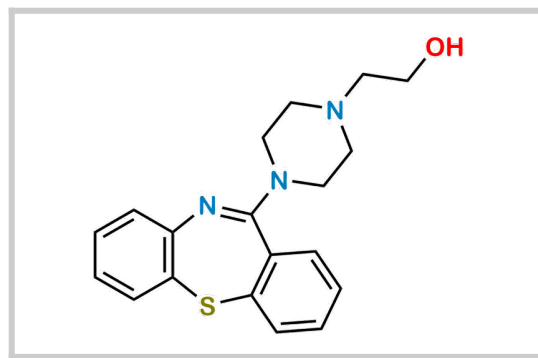
2-[4-(Dibenzo[b,f][1,4]thiazepin-11-yl)piperazin-1-yl]ethanol (as per EP)

CAT No. : KMQ001032

CAS No. : 329216-67-3

Molecular Formula : C<sub>19</sub>H<sub>21</sub>N<sub>3</sub>O<sub>2</sub>S

Molecular Weight : 339.5



### Analytical Information

Batch No. : QUE-EPI-08-010

Description : Off White Solid

HPLC Purity : 99.60 %

Weight Loss By TGA : 0.95 %

% Potency : 98.65 %

Solubility : Methanol

Mass : Confirm

IR : Confirm

<sup>1</sup>H 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 - 0.95(Weight Loss By TGA)] x [99.60(HPLC Purity)]/100 = 98.65 %

-Re-tested on 21.03.2025

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		21/03/2025
Reviewed & Approved By	Quality Control	Jatin Patel		21/03/2025

Attachments : COA, HPLC, MASS, <sup>1</sup>HNMR, IR and TGA