

CERTIFICATE OF ANALYSIS

(Certificate No. KMQ001055-01)

Release Date: 27/03/2026

Re-test Date: 26/03/2029

Quetiapine EP Impurity U

Identification

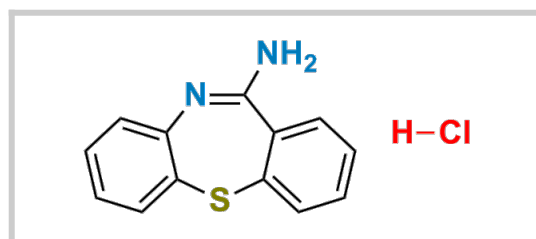
Chemical Name :
dibenzo[b,f][1,4]thiazepin-11-amine Hydrochloride

CAT No. : KMQ001055

CAS No. : 5786-26-5

Molecular Formula : C₁₃H₁₀N₂S : HCl

Molecular Weight : 226.3 : 36.5



Analytical Information

Batch No. : Q001055-114-228

Description : Green Solid

HPLC Purity : 97.13 %

Weight Loss By TGA : 0.53 %

% Potency : 96.62 %

Solubility : ACN : Water

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 - 0.53(Weight Loss By TGA)] x [97.13(HPLC Purity)]/100 = 96.62 %

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