CERTIFICATE OF ANALYSIS

(Certificate No. KMQ001055-01)

Release Date: 27/03/2026 **Re-test Date:** 26/03/2029

Quetiapine EP Impurity U

Identification

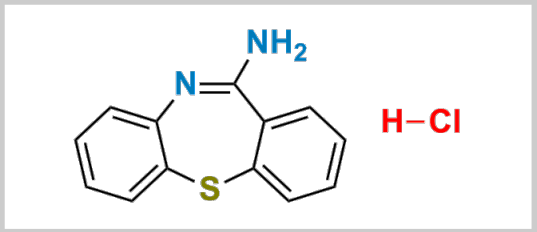
Chemical Name :
dibenzo[b,f][1,4]thiazepin-11-amine Hydrochloride

CAT No. : KMQ001055

CAS No. : 1176987-11-3 (HCl salt)

Molecular Formula : C13H10N2S : HCl

Molecular Weight : 226.3 : 36.5



Analytical Information

Batch No.	: Q001055-114-228	**Solubility**	: ACN : Water
Description	: Green Solid	**Mass**	: Confirm
HPLC Purity	: 97.13 %	**IR**	: Confirm
Weight Loss By TGA	: 0.53 %	**1H NMR**	: Confirm
% Potency	: 96.62 %	**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		27/03/2026
Reviewed & Approved By	Quality Control	Jatin Patel		27/03/2026

Attachments : COA, HPLC, MASS, 1HNMR, 13CNMR, IR and TGA