CERTIFICATE OF ANALYSIS

(Certificate No. KMQ001003-01)

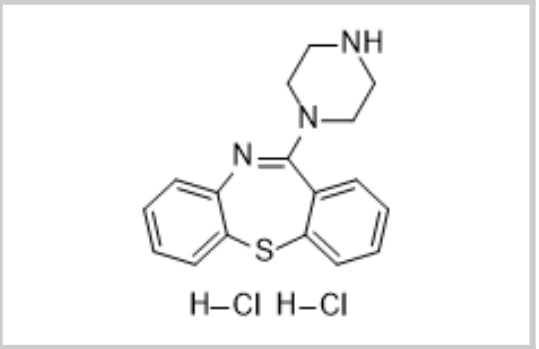
Release Date: 08/02/2024 **Re-test Date:** 07/02/2027

Quetiapine Related Compound B

Identification

Chemical Name :
11-(piperazin-1-yl)dibenzo[b,f][1,4]thiazepine dihydrochloride

Alt. Name	: Quetiapine EP Impurity B, N-Desalkyl Quetiapine
CAT No.	: KMQ001003
CAS No.	: 111974-74-4
Molecular Formula	: C17H17N3S : 2(HCl)
Molecular Weight	: 295.4 : 2(36.5)



Analytical Information

Batch No.	: QUE-RCB-073-070	**Solubility**	: Acetonitrile
Description	: Off White Solid	**Mass**	: Confirm
HPLC Purity	: 99.98 %	**IR**	: Confirm
Weight Loss By TGA	: 3.82 %	**1H NMR**	: Confirm
% Potency	: 96.16 %		

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 - 3.82(Weight Loss By TGA)] x [99.98(HPLC Purity)]/100 = 96.16 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		07/07/2025
Reviewed & Approved By	Quality Control	Jatin Patel		07/07/2025

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