CERTIFICATE OF ANALYSIS

(Certificate No. KMQ001016-01)

Release Date: 24/08/2026 **Re-test Date:** 23/08/2029

Quetiapine Free Base

Identification

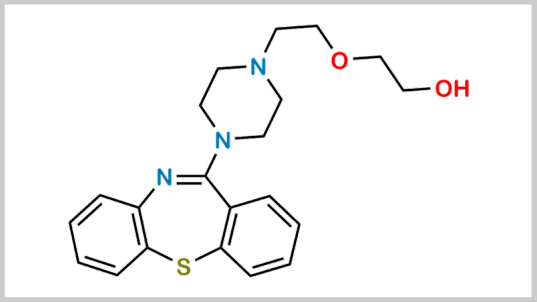
Chemical Name :
2-(2-(4-(dibenzo[b,f][1,4]thiazepin-11-yl)piperazin-1-yl)ethoxy)ethan-1-ol

CAT No. : KMQ001016

CAS No. : 111974-69-7

Molecular Formula : C21H25N3O2S

Molecular Weight : 383.5



Analytical Information

Batch No.	: QUE/10/API/I/07	**Solubility**	: Acetonitrile
Description	: Yellow Thick Syrup	**Mass**	: Confirm
HPLC Purity	: 98.36 %	**IR**	: Confirm
Weight Loss By TGA	: 8.04 %	**1H NMR**	: Confirm
% Potency	: 90.45 %	**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 - 8.04(Weight Loss By TGA)] x [98.36(HPLC Purity)]/100 = 90.45 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		24/08/2026
Reviewed & Approved By	Quality Control	Jatin Patel		24/08/2026

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