CERTIFICATE OF ANALYSIS

(Certificate No. KMA015004-02)

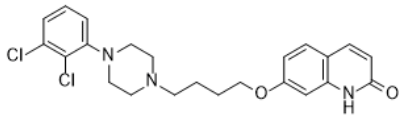
Release Date: 30/01/2026 **Re-test Date:** 29/01/2029

Aripiprazole Related Compound G

Identification

Chemical Name :
7-(4-(4-(2,3-dichlorophenyl)piperazin-1-yl)butoxy)quinolin-2(1H)-one

Alt. Name	: Aripiprazole USP related compound G ; Dehydro Aripiprazole Impurity
CAT No.	: KMA015004
CAS No.	: 129722-25-4
Molecular Formula	: C23H25Cl2N3O2
Molecular Weight	: 446.37



Analytical Information

Batch No.	: R131K0
Description	: White Solid
HPLC Purity	: 99.42 %
Weight Loss By TGA	: 0.59 %
% Potency	: 98.83 %
Solubility	: Water : Methanol (1:1)
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 - 0.59(Weight Loss By TGA)] x [99.42(HPLC Purity)]/100 = 98.83 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		31/01/2026
Reviewed & Approved By	Quality Control	Jatin Patel		31/01/2026

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