

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

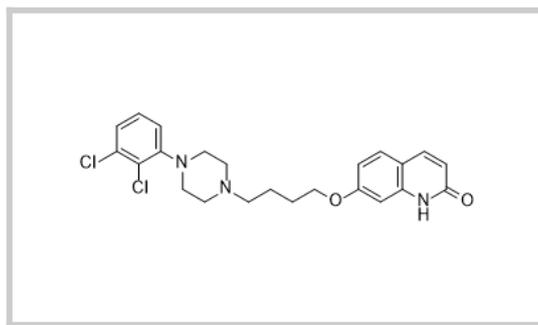
Alt. Name : Aripiprazole USP related compound G ; Dehydro Aripiprazole Impurity

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, ¹H NMR, ¹³C NMR, IR and TGA