CERTIFICATE OF ANALYSIS

(Certificate No. KMA015027-01)

Release Date: 09/10/2025 **Re-test Date:** 08/10/2028

Aripiprazole Impurity D

Identification

Chemical Name :
7-[4-[4-(3-Chlorophenyl)piperazin-1-yl]butoxy]-3,4-dihydroquinolin-2(1H)-one (as per EP)

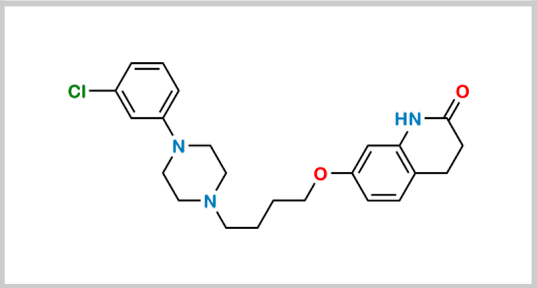
Alt. Name : 2-Dechloro Aripiprazole (USP)

CAT No. : KMA015027

CAS No. : 203395-82-8

Molecular Formula : C23H28ClN3O2

Molecular Weight : 413.9



Analytical Information

Batch No.	: ARI-IMP-D-030-284	**Solubility**	: Methanol
Description	: Off White Solid	**Mass**	: Confirm
HPLC Purity	: 96.54 %	**IR**	: Confirm
Weight Loss By TGA	: 1.00 %	**1H NMR**	: Confirm
% Potency	: 95.57 %		

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 - 1.00(Weight Loss By TGA)] x [96.54(HPLC Purity)]/100 = 95.57 %
-Re-tested on 09.10.2025

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		09/10/2025
Reviewed & Approved By	Quality Control	Jatin Patel		09/10/2025

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