

CERTIFICATE OF ANALYSIS

(Certificate No. KMA015005-02)

Release Date: 30/01/2026

Re-test Date: 29/01/2029

Aripiprazole Related Compound F

Identification

Chemical Name :

7-[4-[4-(2,3-Dichlorophenyl)-1-oxido-1-piperazinyl]butoxy]-3,4-dihydro-2(1H)-quinolinone

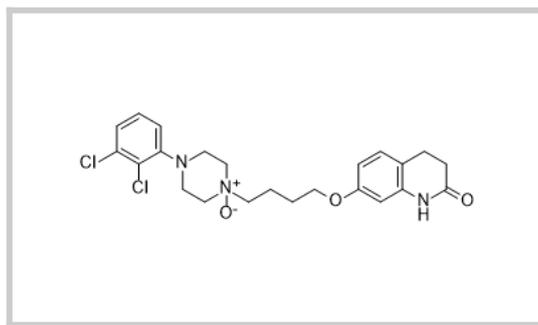
Alt. Name : Aripiprazole N1-Oxide , Aripiprazole
USP Related Compound F

CAT No. : KMA015005

CAS No. : 573691-09-5

Molecular Formula : C23H27Cl2N3O3

Molecular Weight : 464.4



Analytical Information

Batch No. : R079V0

Description : White Solid

HPLC Purity : 99.89 %

Weight Loss By TGA : 0.09 %

% Potency : 99.8 %

Solubility : Acetonitrile

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 = $[100 - 0.09(\text{Weight Loss By TGA})] \times [99.89(\text{HPLC Purity})]/100 = 99.8 \%$

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