

CERTIFICATE OF ANALYSIS

(Certificate No. KMA015005-01)

Release Date: 23/05/2024

Re-test Date: 22/05/2027

Aripiprazole Impurity F

Identification

Chemical Name :

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

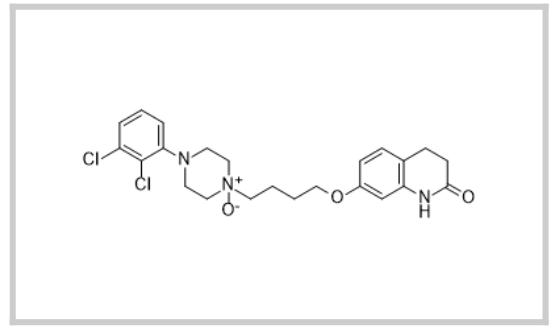
Alt. Name : Aripiprazole N1-Oxide , Aripiprazole
USP Related Compound F

CAT No. : KMA015005

CAS No. : 573691-09-5

Molecular Formula : C₂₃H₂₇Cl₂N₃O₃

Molecular Weight : 464.4



Analytical Information

Batch No. : ARI-EPF-073-229

Description : Off White solid

HPLC Purity : 99.31 %

Weight Loss By TGA : 0.45 %

% Potency : 98.86 %

Solubility : ACN : Methanol
(1:1)

Mass : Confirm

IR : Confirm

¹H 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 - 0.45(Weight Loss By TGA)] x [99.31(HPLC Purity)]/100 = 98.86 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		16/07/2024
Reviewed & Approved By	Quality Control	Jatin Patel		16/07/2024

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