

# CERTIFICATE OF ANALYSIS

(Certificate No. KMA015004-01)

Release Date: 23/05/2024

Re-test Date: 22/05/2027

## Dehydro Aripiprazole (DHAPR)

### Identification

**Chemical Name :**

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

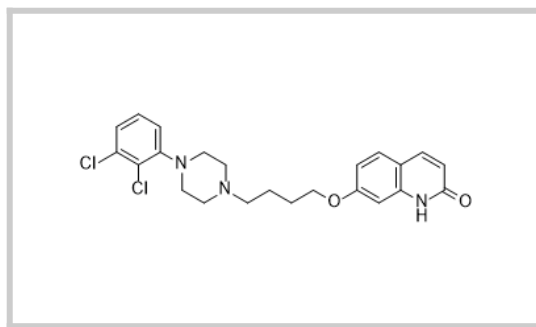
**Alt. Name** : Aripiprazole USP related compound  
G ; Dehydro Aripiprazole Impurity

**CAT No.** : KMA015004

**CAS No.** : 129722-25-4

**Molecular Formula** : C<sub>23</sub>H<sub>25</sub>Cl<sub>2</sub>N<sub>3</sub>O<sub>2</sub>

**Molecular Weight** : 446.37



### Analytical Information

**Batch No.** : ARI-EPE-073-227

**Description** : Off White solid

**HPLC Purity** : 97.61 %

**Weight Loss By TGA** : 0.02 %

**% Potency** : 97.59 %

**Solubility** : ACN : Methanol  
(1 : 1)

**Mass** : Confirm

**IR** : Confirm

**<sup>1</sup>H 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 - 0.02(Weight Loss By TGA)] x [97.61(HPLC Purity)]/100 = 97.59 %

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		26/06/2024
Reviewed & Approved By	Quality Control	Jatin Patel		26/06/2024

**Attachments** : COA, HPLC, MASS, <sup>1</sup>HNMR, IR and TGA