

# CERTIFICATE OF ANALYSIS

(Certificate No. KMA015003-01)

Release Date: 24/05/2024

Re-test Date: 23/05/2027

## Aripiprazole EP Impurity G

### Identification

**Chemical Name :**

7,7'-(((4,4'-(ethane-1,1-diylbis(2,3-dichloro-4,1-phenylene))bis(piperazine-4,1-diyl))bis(butane-4,1-diyl))bis(oxy))bis(3,4-dihydroquinolin-2(1H)-one)

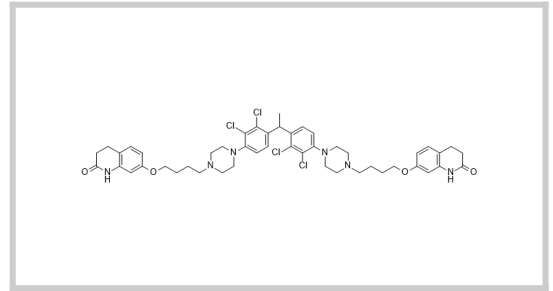
**Alt. Name** : Aripiprazole 4 4'-dimer

**CAT No.** : KMA015003

**CAS No.** : 1797986-18-5

**Molecular Formula** : C<sub>48</sub>H<sub>56</sub>Cl<sub>4</sub>N<sub>6</sub>O<sub>4</sub>

**Molecular Weight** : 922.81



### Analytical Information

**Batch No.** : ARI-EPG-073-226

**Description** : White solid

**HPLC Purity** : 99.23 %

**Weight Loss By TGA** : 0.01 %

**% Potency** : 99.22 %

**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 - 0.01(Weight Loss By TGA)] x [99.23(HPLC Purity)]/100 = 99.22 %

**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh Patel		25/05/2024
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		25/05/2024

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