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## CERTIFICATE OF ANALYSIS

Analysis Date: Apr 2024

Re-test Date: Mar 2027

**Product Name: Aripiprazole EP Impurity G**

### Identification:

Chemical Name: 7,7'-[Ethane-1,1-diylbis[(2,3-dichloro-4,1-phenylene)piperazine-4,1-diylbutane-4,1-diyl]oxy]]di(3,4-dihydroquinolin-2(1H)-one) (as per EP)

Synonyms : Aripiprazole Dimer ; Aripiprazole  
4 4'-dimer

CAS Number : 1797986-18-5

CAT Number : CP-A22007

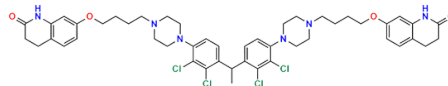
Molecular Formula : C<sub>48</sub>H<sub>56</sub>Cl<sub>4</sub>N<sub>6</sub>O<sub>4</sub>

Molecular Weight : 922.81

Batch Number : CP-ARI-G-0424

Storage Condition : Tightly closed, Inert atmosphere at -20° C

Shipping condition : At low temperature with dry ice and ice pack gel



### Analytical Information:

Sr. No.	Test	Result
1)	Description	White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	Mass Spectrometry	Confirm to structure
4)	Purity By HPLC	98.33%
5)	<sup>1</sup> HNMR	Confirm to structure
6)	Weight loss by TGA	1.32%
7)	Potency	97.03%



### Prepared and Reviewed By

Mr. Shubham Bondre  
(Quality Control)

### Approved By

Mr. Abhijit Kale  
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.