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CERTIFICATE OF ANALYSIS

Analysis Date: May 2026

Re-test Date: Apr 2029

Product Name: Aripiprazole EP Impurity D

Identification:

Chemical Name: 7-[4-[4-(3-Chlorophenyl)piperazin-1-yl]butoxy]-3,4-dihydroquinolin-2(1H)-one (as per EP)

Synonyms : 2-Dechloro Aripiprazole (USP)

CAS Number : 203395-82-8

CAT Number : CP-A22004

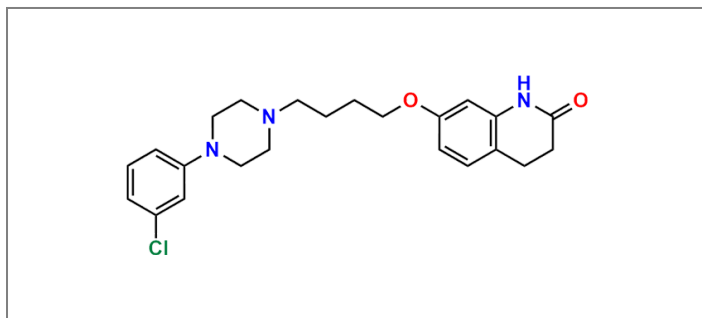
Molecular Formula : C₂₃H₂₈ClN₃O₂

Molecular Weight : 413.94

Batch Number : CP-APR-D-0225

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



Analytical Information:

Sr. No.	Test	Result
1)	Description	White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	99.08%
5)	¹ HNMR	Confirm to structure
6)	Weight loss by TGA	0.116 %
7)	Potency by TGA	98.96%



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.