

# CERTIFICATE OF ANALYSIS

(Certificate No. KMA015008-01)

Release Date: 11/09/2024

Re-test Date: 10/09/2027

## Aripiprazole BP Impurity 1

### Identification

**Chemical Name :**  
7-(4-Chlorobutoxy)-3,4-dihydro-2(1H)-quinolinone

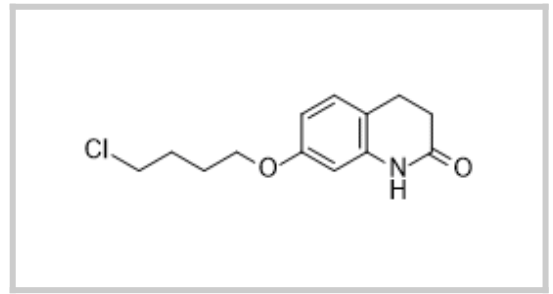
**Alt. Name** : Chlorobutoxyquinolinone

**CAT No.** : KMA015008

**CAS No.** : 120004-79-7

**Molecular Formula** : C<sub>13</sub>H<sub>16</sub>ClNO<sub>2</sub>

**Molecular Weight** : 253.7



### Analytical Information

**Batch No.** : BRX-DH-KSM-I-030-132

**Solubility** : Acetonitrile

**Description** : Off White solid

**Mass** : Confirm

**HPLC Purity** : 96.17 %

**IR** : Confirm

**Weight Loss By TGA** : 0.52 %

**<sup>1</sup>H NMR** : Confirm

**% Potency** : 95.67 %

### 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 - 0.52(Weight Loss By TGA)] x [96.17(HPLC Purity)]/100 = 95.67 %

-Re-tested on 11.09.2024

**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh Patel		20/05/2026
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		20/05/2026

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