

# **CERTIFICATE OF ANALYSIS**

(Certificate No. KMA015017-01)

**Release Date:** 05/02/2025

**Re-test Date:** 04/02/2028

## **Aripiprazole Impurity A**

### **Identification**

**Chemical Name :**

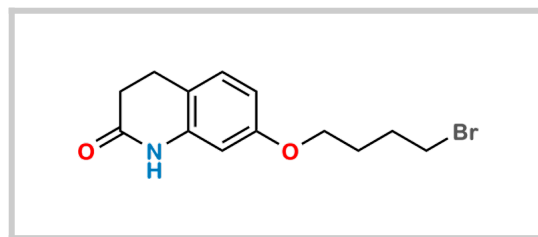
7-(4-Bromobutoxy)-3,4-dihydroquinolin-2-one,

**CAT No.** : KMA015017

**CAS No.** : 129722-34-5

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

**Molecular Weight** : 298.2



### **Analytical Information**

**Batch No.** : ARI-BR-BUT-030-131

**Description** : Off White Solid

**HPLC Purity** : 99.04 %

**Weight Loss By TGA** : 0.11 %

**% Potency** : 98.93 %

**Solubility** : Acetonitrile

**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 - 0.11(Weight Loss By TGA)] x [99.04(HPLC Purity)]/100 = 98.93 %

-Re-tested on 05.02.2025

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		16/07/2025
Reviewed & Approved By	Quality Control	Jatin Patel		16/07/2025

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