

# CERTIFICATE OF ANALYSIS

(Certificate No. KMA015017-01)

Release Date: 05/02/2025

Re-test Date: 04/02/2028

## 7-(4-bromobutoxy)3,4-dihydroquinolin-2(1H)-one

### Identification

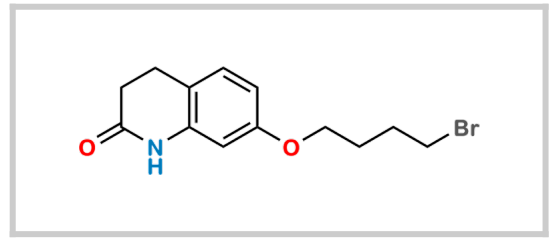
**Chemical Name :**  
7-(4-Bromobutoxy)-3,4-dihydroquinolin-2-one,

**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** : 1.29 %

**% Potency** : 97.76 %

**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 - 1.29(Weight Loss By TGA)] x [99.04(HPLC Purity)]/100 = 97.76 %

-COA Re-tested on 05.02.2025

-COA Re-generated on 06.02.2025

**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh Patel		06/02/2025
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		06/02/2025

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