

# CERTIFICATE OF ANALYSIS

(Certificate No. KMA015001-01)

Release Date: 11/04/2024

Re-test Date: 10/04/2027

## Aripiprazole Diether Impurity

### Identification

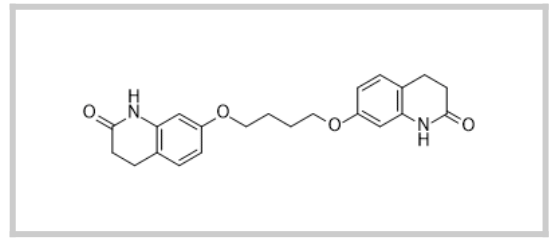
**Chemical Name :**  
7,7'-(butane-1,4-diylbis(oxy))bis(3,4-dihydroquinolin-2(1H)-one)

**CAT No.** : KMA015001

**CAS No.** : 882880-12-8

**Molecular Formula** : C<sub>22</sub>H<sub>24</sub>N<sub>2</sub>O<sub>4</sub>

**Molecular Weight** : 380.44



### Analytical Information

**Batch No.** : ARI-DIQ-073-163

**Description** : Off White Solid

**HPLC Purity** : 93.65 %

**Weight Loss By TGA** : 0.31 %

**% Potency** : 93.36 %

**Solubility** : DMSO

**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 - 0.31(Weight Loss By TGA)] x [93.65(HPLC Purity)]/100 = 93.36 %

**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh Patel		15/04/2024
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		15/04/2024

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