

# CERTIFICATE OF ANALYSIS

(Certificate No. KMC015001-01)

Release Date: 09/05/2024

Re-test Date: 08/05/2027

## Clomipramine 5-Acetyl Iminodibenzyl Impurity

### Identification

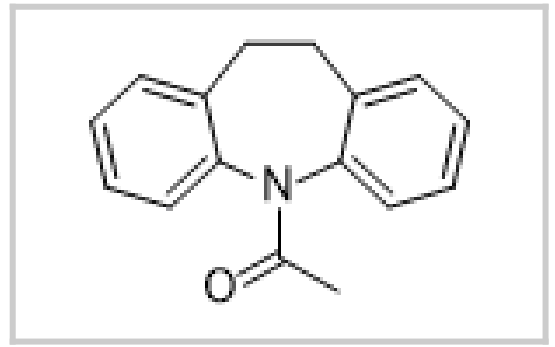
**Chemical Name :**  
1-(10,11-dihydro-5H-dibenzo[b,f]azepin-5-yl)ethanone

**CAT No.** : KMC015001

**CAS No.** : 13080-75-6

**Molecular Formula** : C<sub>16</sub>H<sub>15</sub>NO

**Molecular Weight** : 237.30



### Analytical Information

**Batch No.** : CLO-IMP-16-073-197

**Description** : Off White Solid

**HPLC Purity** : 97.89 %

**Weight Loss By TGA** : 0.05 %

**% Potency** : 97.84 %

**Solubility** : ACN : Water (1:1)

**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 - 0.05(Weight Loss By TGA)] x [97.89(HPLC Purity)]/100 = 97.84 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		10/05/2024
Reviewed & Approved By	Quality Control	Jatin Patel		10/05/2024

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