

CERTIFICATE OF ANALYSIS

(Certificate No. KMC015001-01)

Release Date: 09/05/2024

Re-test Date: 08/05/2027

Clomipramine 5-Acetyl Iminodibenzyl Impurity

Identification

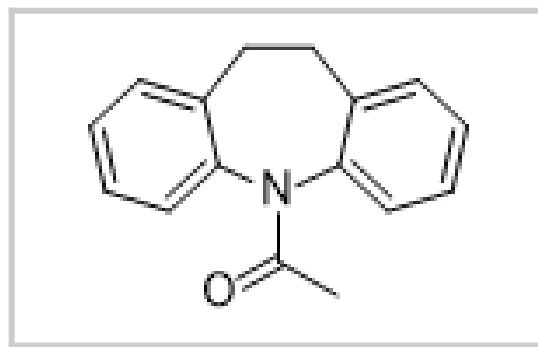
Chemical Name :
1-(10,11-dihydro-5H-dibenzo[b,f]azepin-5-yl)ethanone

CAT No. : KMC015001

CAS No. : 13080-75-6

Molecular Formula : C₁₆H₁₅NO

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

¹H 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, ¹HNMR, IR and TGA