# CERTIFICATE OF ANALYSIS

(Certificate No. KMC017006-01)

**Release Date:** 12/12/2024 **Re-test Date:** 11/12/2027

## Chlorodibenzodiazepinone

## Identification

**Chemical Name** :
8-chloro-5,10-dihydro-11H-dibenzo[b,e][1,4]diazepin-11-one (as per EP)

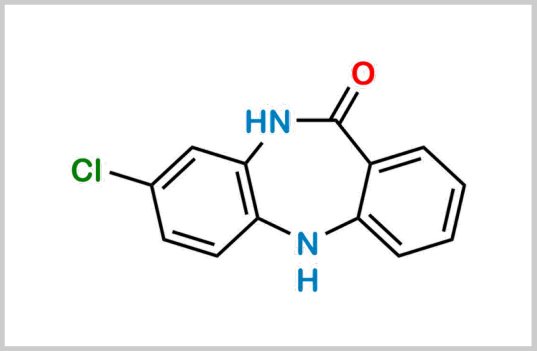
**Alt. Name** : Clozapine impurity C (USP) ;
Clozapine impurity-A (As per IP) ;
Clozapine EP Impurity A (As per EP)

**CAT No.** : KMC017006

**CAS No.** : 50892-62-1

**Molecular Formula** : C13H9ClN2O

**Molecular Weight** : 244.7




## Analytical Information

| | | | |
|---|---|---|---|
| **Batch No.** | : C017006-091-078 | **Solubility** | : Methanol |
| **Description** | : Grey Solid | **Mass** | : Confirm |
| **HPLC Purity** | : 99.82 % | **IR** | : Confirm |
| **Weight Loss By TGA** | : 0.13 % | **1H NMR** | : Confirm |
| **% Potency** | : 99.69 % | **13C 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 - 0.13(Weight Loss By TGA)] x [99.82(HPLC Purity)]/100 = 99.69 %

**Recommendation** : Released

| | Department | Name | Signature | Date |
|---|---|---|---|---|
| **Prepared By** | Analytical | Jignesh Patel | | 12/12/2024 |
| **Reviewed & Approved By** | Quality Control | Jatin Patel | | 12/12/2024 |

**Attachments** : COA, HPLC, MASS, 1HNMR, 13CNMR, IR and TGA