# **CERTIFICATE OF ANALYSIS**

(Certificate No. KMC017007-01)

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

## **Clozapine Impurity D**

## **Identification**

#### **Chemical Name:**

11,11'-(piperazine-1,4-diyl)bis(8-chloro-5H-dibenzo[b,e][1,4]diazepine) (as per EP)

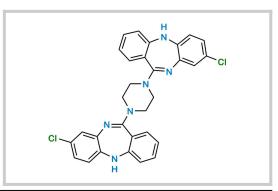
**Alt. Name** : Clozapine impurity D (USP) ;

Clozapine EP Impurity B (as per EP)

**CAT No.** : KMC017007 **CAS No.** : 263366-81-0

Molecular Formula : C30H24Cl2N6

**Molecular Weight** : 539.5



## **Analytical Information**

: C017007-091-081 Batch No. **Solubility** : DMSO **Description** : Off White Solid **Mass** : Confirm : 98.73 % **HPLC Purity** IR : Confirm Weight Loss By TGA : 0.64 % 1H NMR : Confirm % Potency : 98.1 % **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 - 0.64(Weight Loss By TGA)] x [98.73(HPLC Purity)]/100 = 98.1 %

**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