CERTIFICATE OF ANALYSIS

(Certificate No. KMC017007-01)

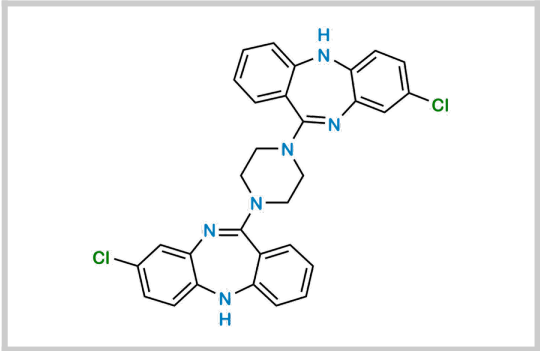
Release Date: 12/12/2024 **Re-test Date:** 11/12/2027

Didiazepinyl Piperazine

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

Batch No.	: C017007-091-081	**Solubility**	: DMSO
Description	: Off White Solid	**Mass**	: Confirm
HPLC Purity	: 98.73 %	**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