CERTIFICATE OF ANALYSIS

(Certificate No. KMC017009-01)

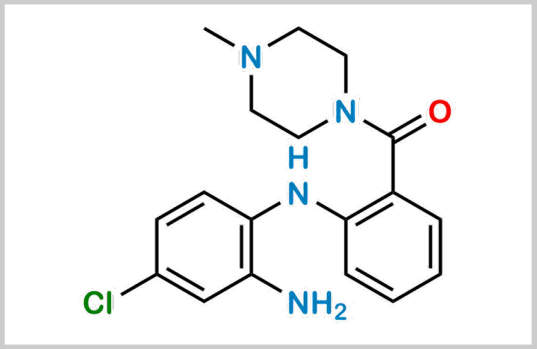
Release Date: 12/12/2024 **Re-test Date:** 11/12/2027

Benzoyl Methylpiperazine Analog

Identification

Chemical Name :
1-[2-[(2-Amino-4-chlorophenyl)amino]benzoyl]-4-methylpiperazine (as per EP)

Alt. Name	: Clozapine impurity B (USP) ; Clozapine EP Impurity D (as per EP)
CAT No.	: KMC017009
CAS No.	: 65514-71-8
Molecular Formula	: C18H21ClN4O
Molecular Weight	: 344.8



Analytical Information

Batch No.	: C017009-091-080	**Solubility**	: ACN : Water (1:1)
Description	: Off White Solid	**Mass**	: Confirm
HPLC Purity	: 99.06 %	**IR**	: Confirm
Weight Loss By TGA	: 1.70 %	**1H NMR**	: Confirm
% Potency	: 97.38 %	**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 - 1.70(Weight Loss By TGA)] x [99.06(HPLC Purity)]/100 = 97.38 %

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