CERTIFICATE OF ANALYSIS

(Certificate No. KMC021003-01)

Release Date: 29/11/2025 **Re-test Date:** 28/11/2028

Chloroacetamido Impurity of Clonazepam

Identification

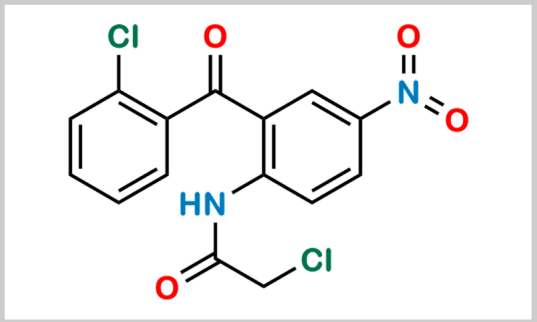
Chemical Name :
2-Chloro-N-(2-(2-chlorobenzoyl)-4-nitrophenyl)acetamide

CAT No. : KMC021003

CAS No. : 180854-85-7

Molecular Formula : C15H10Cl2N2O4

Molecular Weight : 353.2



Analytical Information

Batch No.	: CLON-IMP-1-019-329	**Solubility**	: Acetonitrile
Description	: Yellow Solid	**Mass**	: Confirm
HPLC Purity	: 98.87 %	**IR**	: Confirm
Weight Loss By TGA	: 0.99 %	**1H NMR**	: Confirm
% Potency	: 97.89 %		

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 - 0.99(Weight Loss By TGA)] x [98.87(HPLC Purity)]/100 = 97.89 %
-Re-tested on 29.11.2025

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		29/11/2025
Reviewed & Approved By	Quality Control	Jatin Patel		29/11/2025

Attachments : COA, HPLC, MASS, 1HNMR, IR and TGA