

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 :

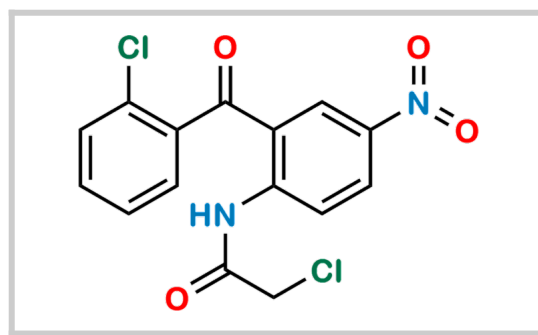
2-Chloro-N-(2-(2-chlorobenzoyl)-4-nitrophenyl)acetamide

CAT No. : KMC021003

CAS No. : 180854-85-7

Molecular Formula : C₁₅H₁₀Cl₂N₂O₄

Molecular Weight : 353.2



Analytical Information

Batch No. : CLON-IMP-1-019-329

Description : Yellow Solid

HPLC Purity : 98.87 %

Weight Loss By TGA : 0.99 %

% Potency : 97.89 %

Solubility : Acetonitrile

Mass : Confirm

IR : Confirm

¹H 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 - 0.99(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