

# CERTIFICATE OF ANALYSIS

(Certificate No. KML095016-01)

Release Date: 05/02/2025

Re-test Date: 04/02/2028

## Loratadine Nitrile Impurity

### Identification

**Chemical Name :**

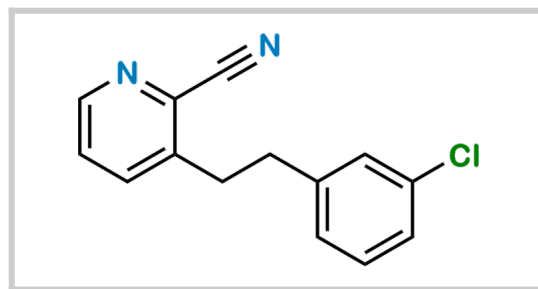
3-[2-(3-Chlorophenyl)ethyl]pyridine-2-carbonitrile ;

CAT No. : KML095016

CAS No. : 31255-57-9

Molecular Formula : C<sub>14</sub>H<sub>11</sub>CIN<sub>2</sub>

Molecular Weight : 242.7



### Analytical Information

Batch No. : L095016-091-206

Description : Light Brown Solid

HPLC Purity : 99.76 %

Weight Loss By TGA : 0.05 %

% Potency : 99.71 %

Solubility : Acetonitrile

Mass : Confirm

IR : Confirm

<sup>1</sup>H 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 - 0.05(Weight Loss By TGA)] x [99.76(HPLC Purity)]/100 = 99.71 %

Recommendation : Released

|                        | Department      | Name          | Signature | Date       |
|------------------------|-----------------|---------------|-----------|------------|
| Prepared By            | Analytical      | Jignesh Patel |           | 15/02/2025 |
| Reviewed & Approved By | Quality Control | Jatin Patel   |           | 15/02/2025 |

Attachments : COA, HPLC, MASS, <sup>1</sup>HNMR, IR and TGA