

# CERTIFICATE OF ANALYSIS

(Certificate No. KML095016-01)

Release Date: 05/02/2025

Re-test Date: 04/02/2028

## Loratadine Nitrile Impurity

### Identification

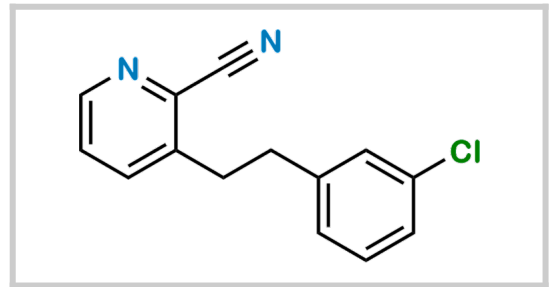
**Chemical Name :**  
3-[2-(3-Chlorophenyl)ethyl]pyridine-2-carbonitrile ;

**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