

# CERTIFICATE OF ANALYSIS

(Certificate No. KMD064031-01)

Release Date: 21/10/2024

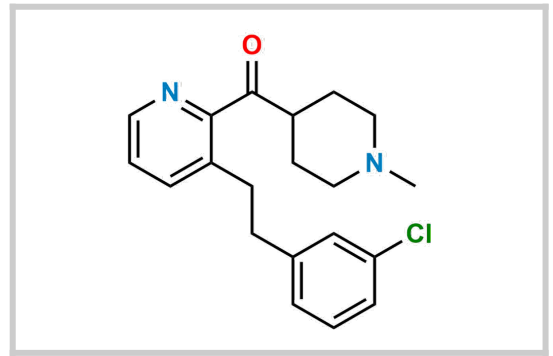
Re-test Date: 20/10/2027

## Loratadine Ketone Impurity

### Identification

**Chemical Name :**  
(3-(3-Chlorophenethyl)pyridin-2-yl)(1-methylpiperidin-4-yl)methanone

**CAT No.** : KMD064031  
**CAS No.** : 130642-50-1  
**Molecular Formula** : C<sub>20</sub>H<sub>23</sub>ClN<sub>2</sub>O  
**Molecular Weight** : 342.9



### Analytical Information

<b>Batch No.</b>	: D064031-073-420	<b>Solubility</b>	: Acetonitrile
<b>Description</b>	: Light Brown Solid	<b>Mass</b>	: Confirm
<b>HPLC Purity</b>	: 99.88 %	<b>IR</b>	: Confirm
<b>Weight Loss By TGA</b>	: 4.28 %	<b><sup>1</sup>H NMR</b>	: Confirm
<b>% Potency</b>	: 95.61 %		

### 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 - 4.28(Weight Loss By TGA)] x [99.88(HPLC Purity)]/100 = 95.61 %  
**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh Patel		21/10/2024
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		21/10/2024

**Attachments** : COA, HPLC, MASS, <sup>1</sup>H NMR, IR and TGA