

# CERTIFICATE OF ANALYSIS

(Certificate No. KML005015-01)

Release Date: 17/02/2025

Re-test Date: 16/02/2028

## Losartan Carboxylic Acid Impurity

### Identification

**Chemical Name :**

2-Butyl-4-chloro-1-[p-(o-1H-tetrazol-5-ylphenyl)benzyl]imidazole-5-formic acid ; Losartan Acid Metabolite

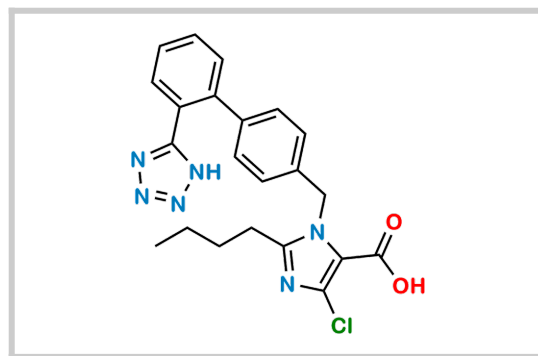
**Alt. Name** : Losartan Carboxylic Acid

**CAT No.** : KML005015

**CAS No.** : 124750-92-1

**Molecular Formula** : C<sub>22</sub>H<sub>21</sub>ClN<sub>6</sub>O<sub>2</sub>

**Molecular Weight** : 436.9



### Analytical Information

**Batch No.** : L005015-091-224

**Description** : Off White Solid

**HPLC Purity** : 94.06 %

**Weight Loss By TGA** : 1.36 %

**% Potency** : 92.78 %

**Solubility** : \*Refer in Additional information

**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 - 1.36(Weight Loss By TGA)] x [94.06(HPLC Purity)]/100 = 92.78 %

\*Solubility: Insoluble in Water and Freely Soluble in 10mg/0.1 ml methanol

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		17/02/2025
Reviewed & Approved By	Quality Control	Jatin Patel		17/02/2025

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