

# CERTIFICATE OF ANALYSIS

(Certificate No. KMH002100-03)

Release Date: 08/03/2025

Re-test Date: 07/03/2028

## HYDROCORTISONE ALDEHYDE IMPURITY (E-ISOMER)

### Identification

**Chemical Name :**

(11,17E)-11,20-Dihydroxy-3-oxo-pregna-4,17(20)-dien-21-al

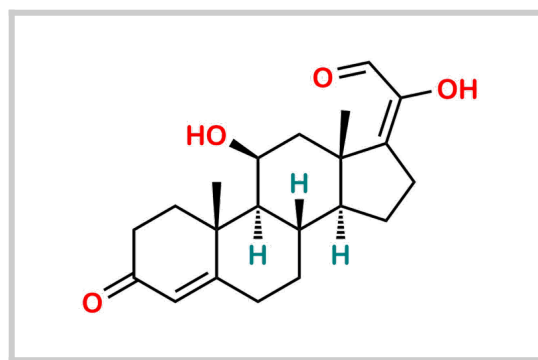
**Alt. Name** : Hydrocortisone E-isomer of Enol Aldehyde ; (E)-17-Deoxyaldehyde Derivative

**CAT No.** : KMH002100

**CAS No.** : 105562-12-7

**Molecular Formula** : C<sub>21</sub>H<sub>28</sub>O<sub>4</sub>

**Molecular Weight** : 344.5



### Analytical Information

**Batch No.** : H002100-091-256

**Description** : White Solid

**HPLC Purity** : 98.97 %

**Weight Loss By TGA** : 0.71 %

**% Potency** : 98.27 %

**Solubility** : ACN : Water (1:1)

**Mass** : Confirm

**IR** : Confirm

**<sup>1</sup>H NMR** : Confirm

**<sup>13</sup>C NMR** : Confirm

### Additional Information

**Long Term Storage** : Store at -20 deg. C for long term storage

**Shipping Condition** : Product is stable to be Shipped at Room Temperature

**% Potency** = [100 - 0.71(Weight Loss By TGA)] x [98.97(HPLC Purity)]/100 = 98.27 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		13/03/2025
Reviewed & Approved By	Quality Control	Jatin Patel		13/03/2025

**Attachments** : COA, HPLC, MASS, <sup>1</sup>HNMR, <sup>13</sup>CNMR, IR and TGA