

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

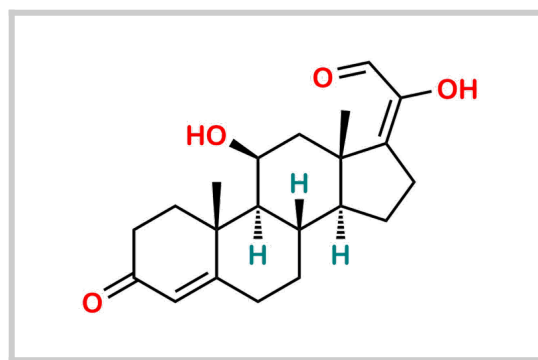
Alt. Name : Hydrocortisone E-isomer of Enol Aldehyde ; (E)-17-Deoxyaldehyde Derivative

CAT No. : KMH002100

CAS No. : 105562-12-7

Molecular Formula : C₂₁H₂₈O₄

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

¹H NMR : Confirm

¹³C 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, ¹HNMR, ¹³CNMR, IR and TGA