

CERTIFICATE OF ANALYSIS

(Certificate No. KMH002101-02)

Release Date: 20/02/2025

Re-test Date: 19/02/2028

HYDROCORTISONE ALDEHYDE IMPURITY (Z-ISOMER)

Identification

Chemical Name :
(11,17Z)-11,20-Dihydroxy-3-oxo-pregna-4,17(20)-dien-21-al

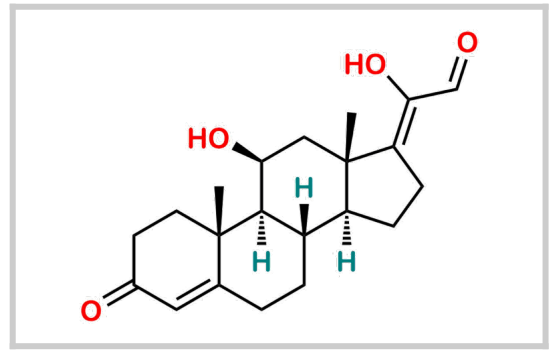
Alt. Name : (Z)-17-deoxyaldehyde derivative

CAT No. : KMH002101

CAS No. : 105562-13-8

Molecular Formula : C₂₁H₂₈O₄

Molecular Weight : 344.5



Analytical Information

Batch No. : H002101-091-226

Description : White Solid

HPLC Purity : 99.61 %

Weight Loss By TGA : 1.02 %

% Potency : 98.59 %

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 - 1.02(Weight Loss By TGA)] x [99.61(HPLC Purity)]/100 = 98.59 %

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, ¹H NMR, ¹³C NMR, IR and TGA