

CERTIFICATE OF ANALYSIS

(Certificate No. KMH002001-03)

Release Date: 13/03/2025

Re-test Date: 12/03/2028

HYDROCORTISONE DIHYDROXY IMPURITY

Identification

Chemical Name :

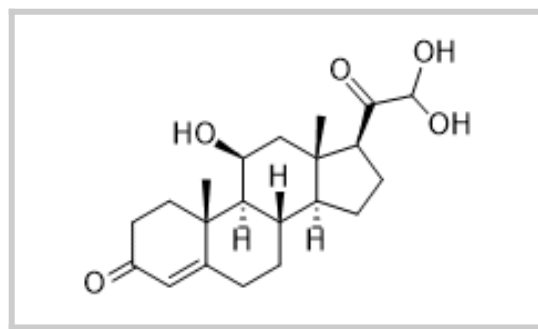
(8S,9S,10R,11S,13S,14S,17S)-17-(2,2-dihydroxyacetyl)-11-hydroxy-10,13-dimethyl-6,7,8,9,10,11,12,13,14,15,16,17-dodecahydro-1H-cyclopenta[a]phenanthren-3(2H)-one

CAT No. : KMH002001

CAS No. : 1960421-03-7

Molecular Formula : C₂₁H₃₀O₅

Molecular Weight : 362.46



Analytical Information

Batch No. : H002001-091-274

Description : Off White Solid

HPLC Purity : 98.70 %

Weight Loss By TGA : 2.10 %

% Potency : 96.63 %

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, Product is hygroscopic in nature so protect from moisture and light

Shipping Condition : Product is stable to be shipped at room temperature

% Potency = [100 - 2.10(Weight Loss By TGA)] x [98.70(HPLC Purity)]/100 = 96.63 %

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