

CERTIFICATE OF ANALYSIS

(Certificate No. KMH002001-01)

Release Date: 07/11/2023

Re-test Date: 06/11/2026

Hydrocortisone Glyoxal Hydrate Isomer-1

Identification

Chemical Name :

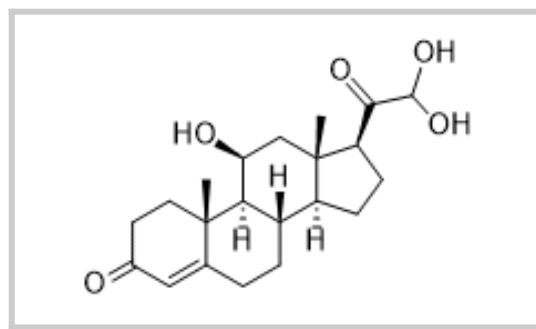
(8S,9S,10R,11S,13S,14S,17S)-17-(2,2-dihydroxyacetyl)-11-hydroxy-10,13-dimethyl-6,7,8,9,10,11,12,13,14,15,16,17-dodecahydro-1H-cyclopenta[a]phenanthren-3(2H)-one

CAT No. : KMH002001

CAS No. : 1960421-03-7

Molecular Formula : C₂₁H₃₀O₅

Molecular Weight : 362.46



Analytical Information

Batch No. : HYDC-0.81-045-310

Description : Light Yellow Solid

HPLC Purity : 97.37 %

Weight Loss By TGA : 1.97 %

% Potency : 95.45 %

Solubility : ACN

Mass : Confirm

IR : Confirm

¹H NMR : Confirm

¹³C NMR : Confirm

Additional Information

Long Term Storage : Store at 2-8 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 = $[100 - 1.97(\text{Weight Loss By TGA})] \times [97.37(\text{HPLC Purity})]/100 = 95.45 \%$

-¹³CNMR added on 07.04.2024

Remarks : COA Re-generated on 11.04.2024

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		11/04/2024
Reviewed & Approved By	Quality Control	Parag Patel		11/04/2024

Attachments : COA, HPLC, MASS, ¹HNMR, ¹³CNMR, IR and TGA