

# CERTIFICATE OF ANALYSIS

(Certificate No. KMH002001-02)

Release Date: 13/01/2025

Re-test Date: 12/01/2028

## HYDROCORTISONE DIHYDROXY IMPURITY

### Identification

**Chemical Name :**

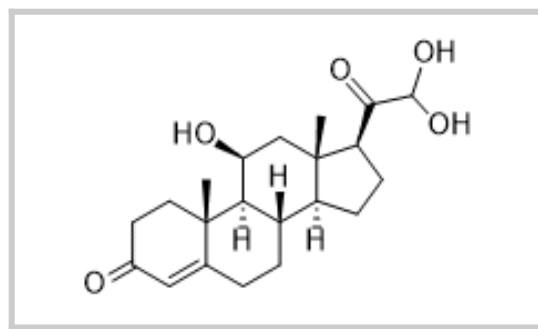
(8S,9S,10R,11S,13S,14S,17S)-17-(2,2-dihydroxyacetyl)-11-hydroxy-10,13-dimethyl-6,7,8,9,10,11,12,13,14,15,16,17-dodecahydro-1H-cyclopenta[a]phenanthren-3(2H)-one

CAT No. : KMH002001

CAS No. : 1960421-03-7

Molecular Formula : C<sub>21</sub>H<sub>30</sub>O<sub>5</sub>

Molecular Weight : 362.46



### Analytical Information

Batch No. : H002001-091-135

Description : Light Yellow Solid

HPLC Purity : 95.22 %

Weight Loss By TGA : 1.76 %

% Potency : 93.54 %

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 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 - 1.76(Weight Loss By TGA)] x [95.22(HPLC Purity)]/100 = 93.54 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Parag Patel		13/01/2025
Reviewed & Approved By	Quality Control	Jatin Patel		13/01/2025

Attachments : COA, HPLC, MASS, <sup>1</sup>H NMR, <sup>13</sup>C NMR IR and TGA