

# CERTIFICATE OF ANALYSIS

(Certificate No. KMH002001-04)

Release Date: 24/02/2026

Re-test Date: 23/02/2029

## HYDROCORTISONE DIHYDROXY IMPURITY

### Identification

**Chemical Name :**

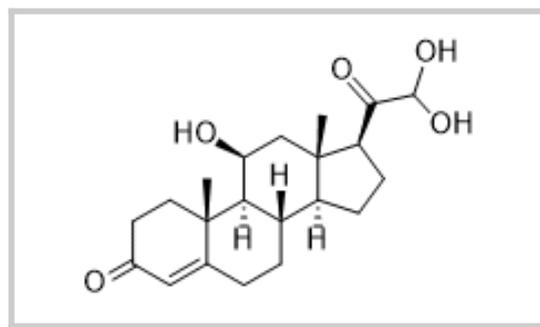
(8S,9S,10R,11S,13S,14S,17S)-17-(2,2-dihydroxyacetyl)-11-hydroxy-10,13-dimethyl-6,7,8,9,10,11,12,13,14,15,16,17-dodecahydro-1H-cyclopenta[a]phenanthren-3(2H)-one

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. : H002001-114-155

Description : Off White Solid

HPLC Purity : 98.18 %

Weight Loss By TGA : 4.65 %

% Potency : 93.61 %

Solubility : ACN : Water

Mass : Confirm

IR : Confirm

<sup>1</sup>H NMR : Confirm

<sup>13</sup>C 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 - 4.65(Weight Loss By TGA)] x [98.18(HPLC Purity)]/100 = 93.61 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		25/02/2026
Reviewed & Approved By	Quality Control	Jatin Patel		25/02/2026

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