

## CERTIFICATE OF ANALYSIS

Date: 11-02-2026

|                                |  |               |             |
|--------------------------------|--|---------------|-------------|
| Product Name                   | Hydrocortisone 17-phosphate  |               |             |
| Chemical Name                  | (8S,9S,10R,11S,13S,14S,17R)-11-hydroxy-17-(2-hydroxyacetyl)-10,13-dimethyl-3-oxo-2,3,6,7,8,9,10,11,12,13,14,15,16,17-tetradecahydro-1H-cyclopenta[al]phenanthren-17-yl dihydrogen phosphate  |               |             |
| Structure                      | <p>The chemical structure shows a steroid nucleus with a cyclopentenophenanthrene ring system. At position 11, there is a hydroxyl group (OH). At position 17, there is a hydroxyl group (OH) and a hydroxymethyl group (-CH(OH)CH<sub>3</sub>). At positions 10 and 13, there are methyl groups (-CH<sub>3</sub>). The molecule is shown in its neutral form, with the phosphate group attached to the steroid nucleus.</p> |               |             |
| Batch No.                      | -  | CAS No.       | 220489-76-9 |
| Analysis Date                  | -  | Retest Date   | -           |
| Mol. Formula                   | C <sub>21</sub> H <sub>31</sub> O <sub>8</sub> P   | Molecular Wt. | 442.4       |
| Long term Storage Condition    | Store at 2-8 °C in well closed container   |               |             |
| Handling and Transit Condition | 25-30 °C in well closed container  |               |             |

| Test                   | Result                |
|------------------------|-----------------------|
| Appearance             | -                     |
| Solubility             | -                     |
| 1H-NMR                 | Conforms to structure |
| MASS                   | Conforms to structure |
| Chromatographic Purity | >90%                  |

**Note: This material should be used for research purpose and not for human or animal consumption. Any patent applicable for this product in any country is not applicable for this analytical standard/research chemical.**

|           | Prepared By | Checked By | Approved By |
|-----------|-------------|------------|-------------|
| Signature |             |            |             |
| Date      |             |            |             |

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