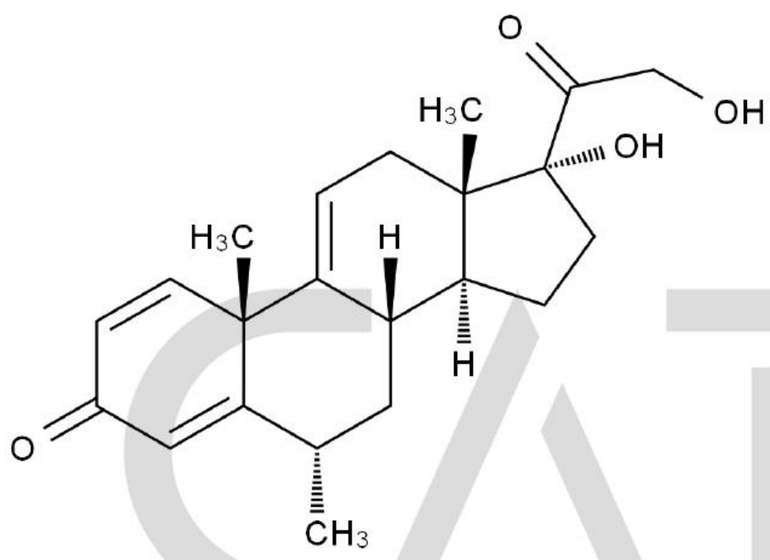
# Certificate of Analysis

## Reference Material & Standard

| | | | |
|---|---|---|---|
| **Product Name:** | Methylprednisolone EP Impurity G | **Catalogue Number:** | C4X-191936 |
| **Synonyms:** | N/A | **Lot Number:** | 0628-RF-0065 |
| **CAS Number:** | 93269-35-3 | **Expiry Date:** | Aug 25, 2030 |
| **Molecular Formula:** | $C_{22}H_{28}O_4$ | **Storage:** | 2°C ~ 8°C Protected from light and Sealed |
| **Molecular Weight:** | 356.46 | **Shipping Condition:** | Shipping at Room Temperature |

**Chemical Structure:**




| Test Items | Method | Results |
|---|---|---|
| **Appearance** | Visual inspection | Off-White Solid |
| **Identification** | LCMS&HNMR | Confirmed |
| **Purity** | HPLC | 98.650% |
| **Loss on Drying** | TGA | 0.1280% |
| **Assay** | | 98.5% |

CATO Research Chemicals Inc.

## Comment:

*The calculation of the mass balance method follows the formula (calculated on the non-dried basis):*
*Assay (%) = (100%-Loss on Drying) * Purity HPLC (%) /100%*
*Loss on Drying is considered as absolute effect, HPLC purity is considered as relative effect.*

**Signature:**

Prepared by: Koi — Date: Sep 14, 2026

Reviewed by: Lisa — Date: Sep 15, 2026

Approved by General Manager: David — Date: Sep 15, 2026

CATO Research Chemicals Inc.