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CERTIFICATE OF ANALYSIS

Analysis Date: Mar 2026

Re-test Date: Feb 2027

Product Name: Misoprostol EP Impurity A

Identification:

Chemical Name: Mixture of methyl 7-[(1R,2SR,3SR)-3-hydroxy-2-[(1E,4RS)-4-hydroxy-4-methyloct-1-enyl]-5-oxocyclopentyl]heptanoate and methyl 7-[(1R,2SR,3SR)-3-hydroxy-2-[(1E,4SR)-4-hydroxy-4-methyloct-1-enyl]-5-oxocyclopentyl]heptanoate (as per EP)

Synonyms : 8-epi-Misoprostol

CAS Number : 1788085-78-8

CAT Number : CP-M22001

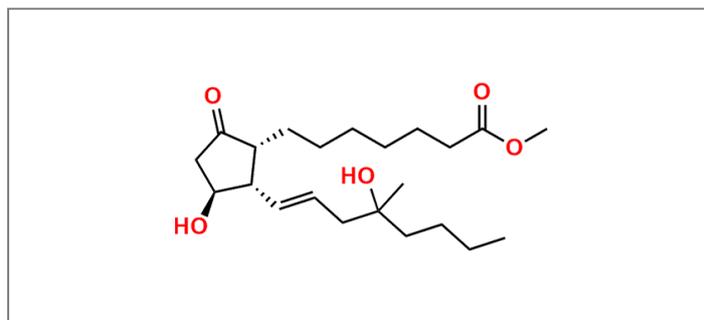
Molecular Formula : C₂₂H₃₈O₅

Molecular Weight : 382.54

Batch Number : CP-MIS-A-0326

Storage Condition : Tightly closed, Inert atmosphere at -20° C

Shipping condition : At low temperature with dry ice and ice pack gel



Analytical Information:

| Sr. No. | Test | Result |
|---------|---------------------|----------------------------------|
| 1) | Description | Pale Yellow Liquid |
| 2) | Solubility | Soluble in DCM/CDCI ₃ |
| 3) | MASS By LCMS | Confirm to structure |
| 4) | Purity By HPLC | 95.81% |
| 5) | ¹ H NMR | Confirm to structure |
| 6) | ¹³ C NMR | Confirm to Structure |
| 7) | IR | Confirm to Structure |
| 8) | Weight loss by TGA | 2.089% |
| 9) | Potency by TGA | 93.81% |



Prepared and Reviewed By

Ms Priyanka Salunkhe
(Quality Control)

Approved By

Ms Rohini Gagare
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.