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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

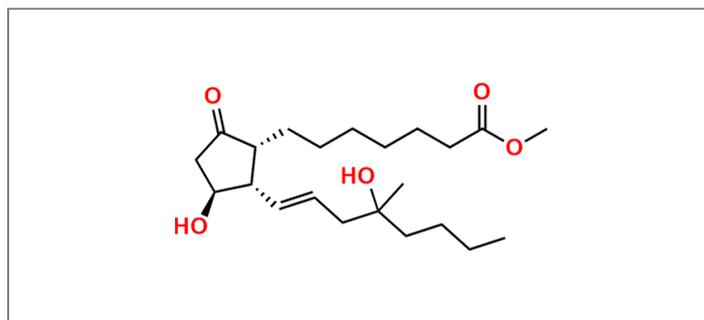
Molecular Formula : C₂₂H₃₈O₅

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.