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## CERTIFICATE OF ANALYSIS

Analysis Date: Mar 2023

Re-test Date: Feb 2025

**Product Name: Latanoprost EP Impurity H**

### Identification:

Chemical Name: (Z)-7-((1R,2R,3R,5S)-3,5-Dihydroxy-2-((R)-3-hydroxy-5-phenylpentyl)cyclopentyl)hept-5-enoic acid

Synonyms : Latanoprost USP Related  
Compound E ; Latanoprost Acid

CAS Number : 41639-83-2

CAT Number : CP-L32008

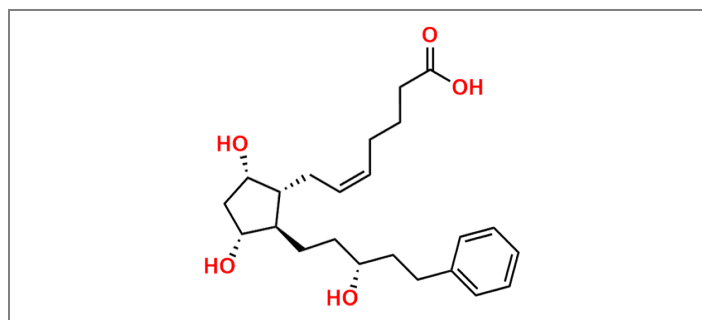
Molecular Formula : C<sub>23</sub>H<sub>34</sub>O<sub>5</sub>

Molecular Weight : 390.52

Batch Number : CHEM-LAT-H

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



### Analytical Information:

| Sr. No. | Test           | Result                                    |
|---------|----------------|---|
| 1)      | Description    | Colourless to Pale Beige Oil to Thick Oil |
| 2)      | Solubility     | Soluble in Methanol/CDCl <sub>3</sub>     |
| 3)      | MASS By LCMS   | Confirm to structure                      |
| 4)      | Purity By HPLC | 94.22%                                    |
| 5)      | H1NMR          | Confirm to structure                      |
| 6)      | 13CNMR         | Confirm to structure                      |



**Prepared and Reviewed By**

Ms Priyanka Salunkhe  
(Manager QC Analytical)

**Approved By**

Ms Rohini Gagare  
(QA Head)

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