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## CERTIFICATE OF ANALYSIS

Analysis Date:

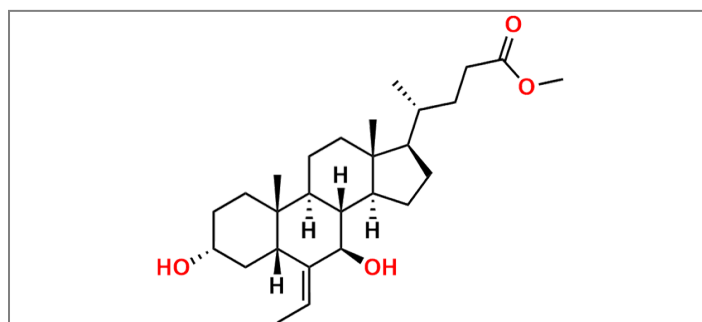
Re-test Date:

**Product Name: Obeticholic Acid Impurity 33**

### Identification:

Chemical Name: methyl (R)-4-((3R,5R,7R,8S,9S,10R,13R,14S,17R,E)-6-ethylidene-3,7-dihydroxy-10,13-dimethylhexadecahydro-1H-cyclopenta[a]phenanthren-17-yl)pentanoate

Synonyms : NA  
CAS Number : 1632118-86-5  
CAT Number : CP-O39025  
Molecular Formula : C<sub>27</sub>H<sub>44</sub>O<sub>4</sub>  
Molecular Weight : 432.65



### Analytical Information:

Sr. No.	Test	Result
1)	Description	Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	>95%
5)	H1NMR	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.