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## CERTIFICATE OF ANALYSIS

Analysis Date:

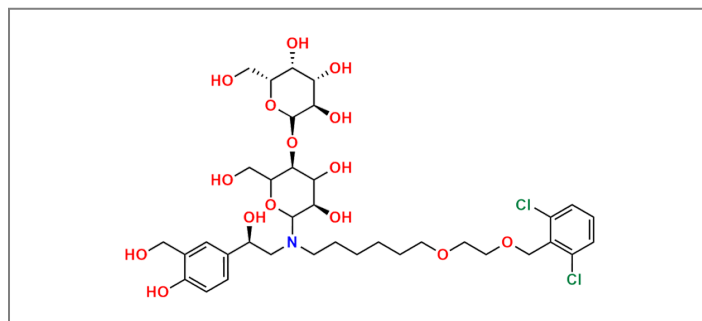
Re-test Date:

**Product Name: Vilanterol Impurity 48**

### Identification:

Chemical Name: (2S,3R,4S,5R,6R)-2-(((3S,5R)-6-((6-(2-((2,6-dichlorobenzyl)oxy)ethoxy)hexyl)((R)-2-hydroxy-2-(4-hydroxy-3-(hydroxymethyl)phenyl)ethyl)amino)-4,5-dihydroxy-2-(hydroxymethyl)tetrahydro-2H-pyran-3-yl)oxy)-6-(hydroxymethyl)tetrahydro-2H-pyran-3,4,5-triol

Synonyms : NA  
CAS Number : NA  
CAT Number : CP-V22027  
Molecular Formula : C<sub>36</sub>H<sub>53</sub>Cl<sub>2</sub>N<sub>2</sub>O<sub>15</sub>  
Molecular Weight : 810.71



### 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.