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## CERTIFICATE OF ANALYSIS

Analysis Date:

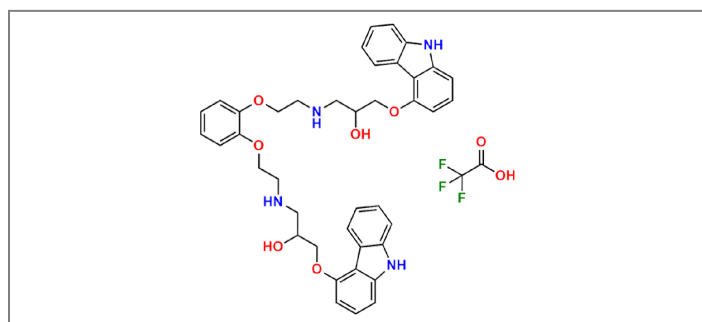
Re-test Date:

**Product Name: Carvedilol O-Desmethyl O-Alkyl Impurity**

### Identification:

Chemical Name: 3,3-{2,2-[1,2-Phenylenebis(oxy)]bis(ethane-2,1-diyl)}bis(azanediy)bis(1-(9H-carbazol-4-yloxy)propan-2-ol) Di(2,2,2-trifluoroacetic acid)

Synonyms : NA  
CAS Number : NA  
CAT Number : CP-C10061  
Molecular Formula : C<sub>40</sub>H<sub>42</sub>N<sub>4</sub>O<sub>6</sub> : 2(C<sub>2</sub>H<sub>5</sub>FO<sub>2</sub>)  
Molecular Weight : 674.8 : 2(114.0)



### 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)	<sup>1</sup> HNMR	Confirm to structure



**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.