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## CERTIFICATE OF ANALYSIS

Analysis Date: Feb 2024

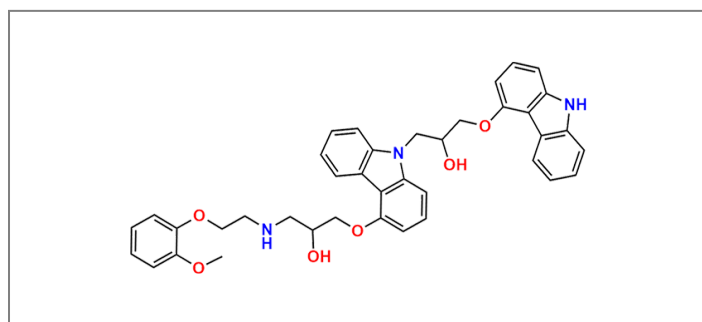
Re-test Date: Jan 2027

**Product Name: Carvedilol EP Impurity D**

### Identification:

Chemical Name: 1-((9H-carbazol-4-yl)oxy)-3-(4-(2-hydroxy-3-((2-(2-methoxyphenoxy)ethyl)amino) propoxy)-9H-carbazol-9-yl)propan-2-ol

Synonyms : NA  
CAS Number : 1391052-16-6  
CAT Number : CP-C10004  
Molecular Formula : C39H39N3O6  
Molecular Weight : 645.74  
Batch Number : CP-CAR-D-0224  
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	Slightly Hygroscopic Brown Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	96.57%
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.