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## CERTIFICATE OF ANALYSIS

Analysis Date: Oct 2024

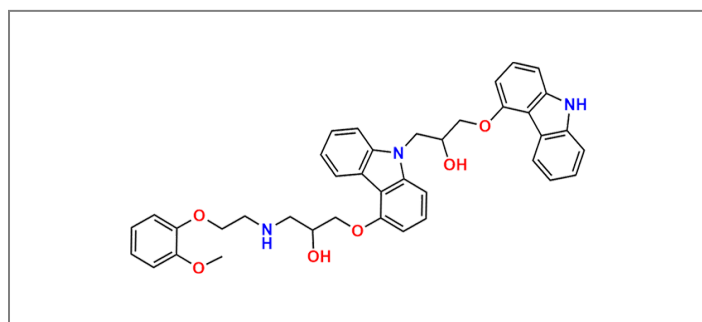
Re-test Date: Sep 2027

**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	Light Brown to Brown Slightly Hygroscopic Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	95.20%
5)	H1NMR	Confirm to structure
6)	13CNMR	Confirm to structure
7)	IR	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.