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### CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**Product Name: Carvedilol Biscarbazole Impurity**

#### Identification:

Chemical Name: 1,3-Bis(9H-carbazol-4-yloxy)-2-propanol

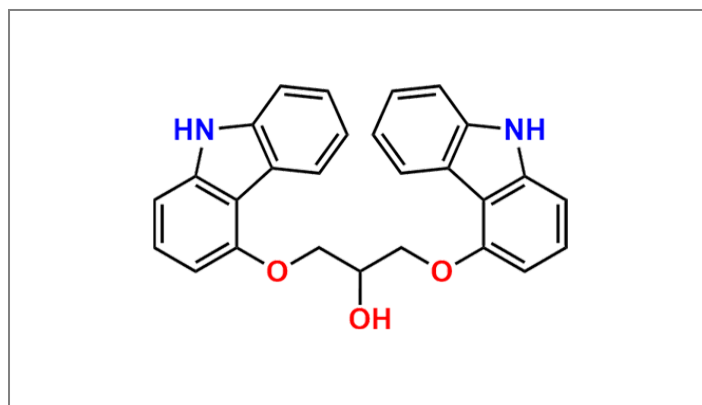
Synonyms : Carvedilol Diether Propanol  
Impurity

CAS Number : 1276477-91-8

CAT Number : CP-C10013

Molecular Formula : C<sub>27</sub>H<sub>22</sub>N<sub>2</sub>O<sub>3</sub>

Molecular Weight : 422.48



#### 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.