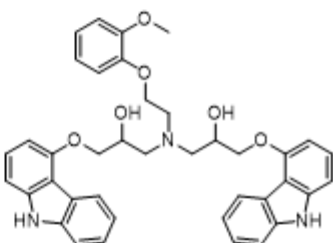


CERTIFICATE OF ANALYSIS

Product Name : Carvedilol impurity B (Dimer impurity of Carvedilol)

Chemical Name: 3,3'-(2-(2-Methoxyphenoxy)ethylazanediyl)bis(1-(9H-carbazol-4-yloxy)propan-2-ol)

CAS number	918903-20-5	Chemical structure: 
Molecular Formula	C ₃₉ H ₃₉ N ₃ O ₆	
Molecular Weight	645.74	
Analysis Date	September-2024	
Re-test Date	August-2025	
Batch Number	VLS-03/CAR/16	
Storage condition	Store at 0-5°C	

ANALYTICAL INFORMATION:

S No	TEST	RESULT
1	Description	Off-white color solid
2	Identification 1. 1H-NMR 2. MASS 3. IR	Conforms to the structure Conforms to the structure Conforms to the structure
3	Chromatographic Purity	98.65 %

Prepared by:

Reviewed by: