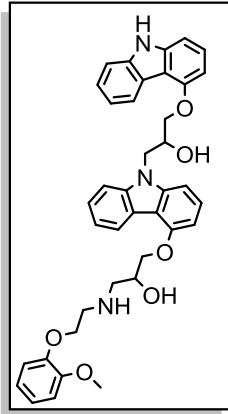


DRAFT CERTIFICATE OF ANALYSIS

Product Name	Carvedilol EP Impurity D
Synonyms	1-((9H-carbazol-4-yl)oxy)-3-(4-(2-hydroxy-3-((2-(2-methoxyphenoxy)ethyl)amino)propoxy)-9H-carbazol-9-yl)propan-2-ol

Analytical Method		Molecular Structure
Batch No.		
CAS No.	1391052-16-6	
Molecular Formula	C39H39N3O6	
Molecular Weight	645.74	
Shipping Conditions	To be shipped under ambient temperature	
Storage Conditions	For long term storage, keep at 2-8°C	
Origin of Product	Synthetic	
Catalogue No.		
Directions For Use	Do not dry, use as it as	
Solubility	DMSO	

S.No.	Test	Results	Specification
1	Description		
2	Purity (By HPLC area %)		NLT 95.00
3	LOD (Loss of solvent and water upto 105°C by TGA)		
4	Potency (mass balance basis)		
5	IR	Complies	Should complies with str.
6	MASS	Complies	Should complies with mol. wt.
7	NMR	Complies	Should complies with str.

Analysis Date		Retest Date	
Concerns	All characterization data attached herewith for your review and any concern to be taken within 60 days from dispatch of material for better understanding.		

Material is for Laboratory testing purpose only, not for human consumption.

Disclaimer: Supplied Raw Material, Intermediates, Impurity or metabolite of API are covered by patents are not offered to the countries where valid Patent Law is in force. However, it is the buyer's responsibility to verify position in the country of intended use. The final responsibility lies with customer.

Prepared By		Reviewed by		Approved by	
Sign.& Date		Sign.& Date		Sign.& Date	

Deals in: Impurity Standards | Technology Development | CRAMS | IP Services

CbS: Customer by Satisfaction

E-mail : info@drashavins.com | **Website :** www.drashavins.com

RO : #1872, Nirvana Society, Sector 49-B, Chandigarh 160047 | **CIN No. :** U74999CH2017OPC041713