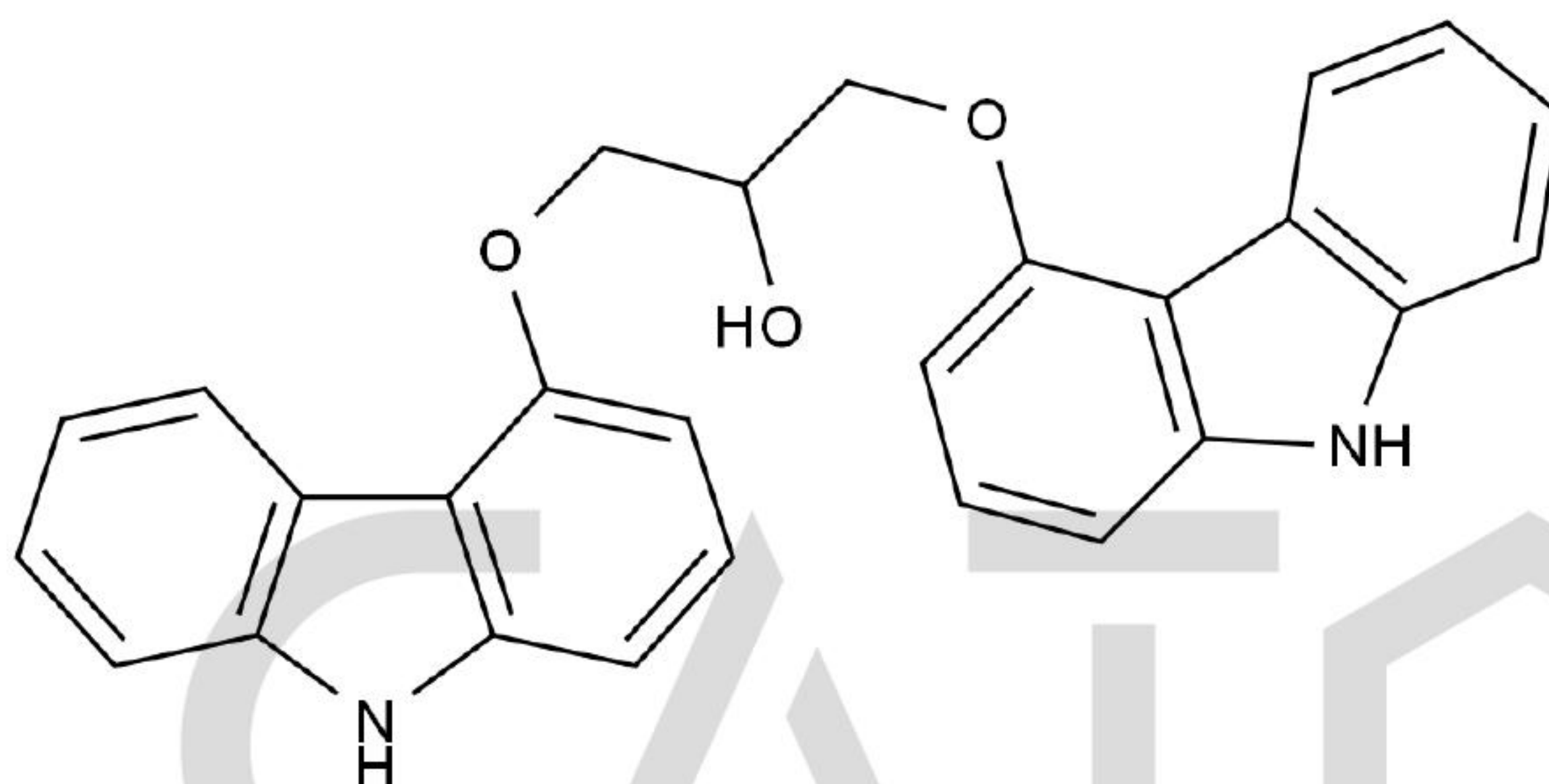


Certificate of Analysis

Reference Material & Standard

Product Name:	Carvedilol impurity 10	Catalogue Number:	C4X-157410
Synonyms:	N/A	Lot Number:	0111-RF-0037
CAS Number:	1276477-91-8	Expiry Date:	Jan 14, 2027
Molecular Formula:	C ₂₇ H ₂₂ N ₂ O ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	422.48		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.7%
Residual Solvents	NMR	1.6% ethyl acetate

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Aporoved by General Manager:

David

Date: Jan 15, 2024

Date: Jan 15, 2024

Date: Jan 15, 2024

