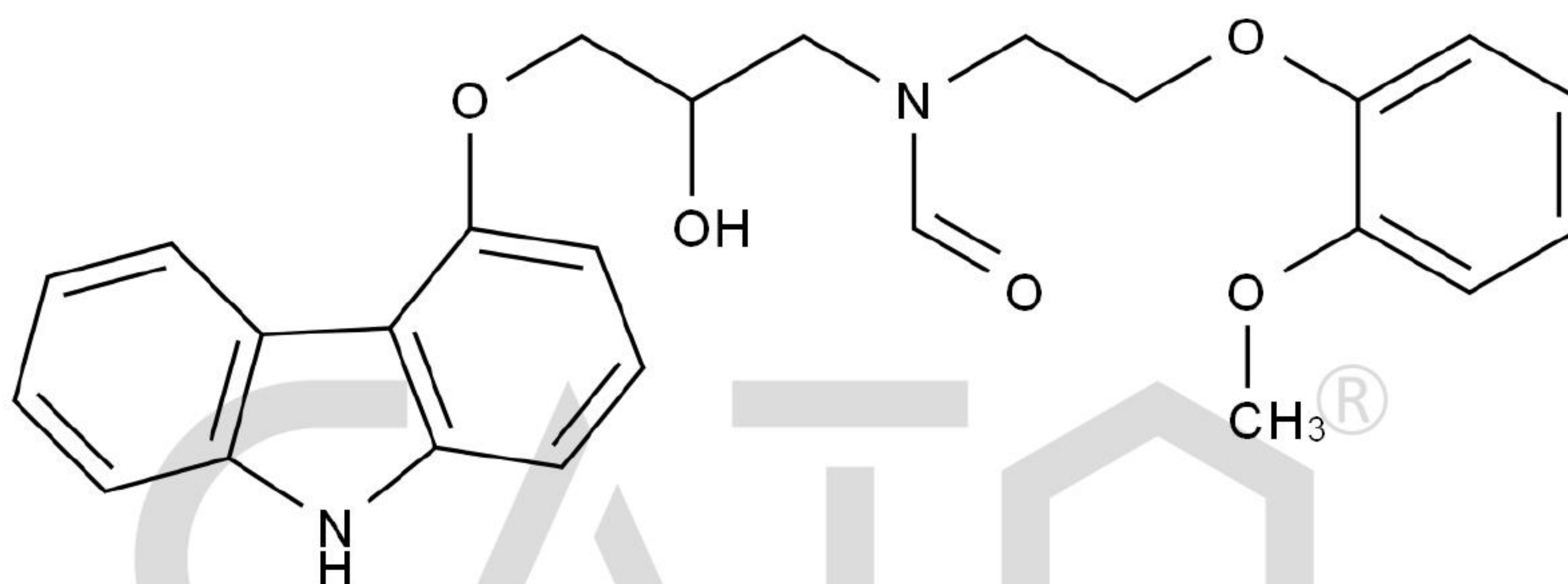


Certificate of Analysis

Reference Material & Standard

Product Name:	Carvedilol impurity 13	Catalogue Number:	C4X-157413
Synonyms:	N/A	Lot Number:	0815-RE-0022
CAS Number:	N/A	Expiry Date:	Aug 17, 2026
Molecular Formula:	C ₂₅ H ₂₆ N ₂ O ₅	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	434.48		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	99.4%
Assay	qNMR	99.0%

Comment:

Assay was determined by quantitative ¹H-NMR.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Nov 22, 2024

Date: Nov 22, 2024

Date: Nov 22, 2024

