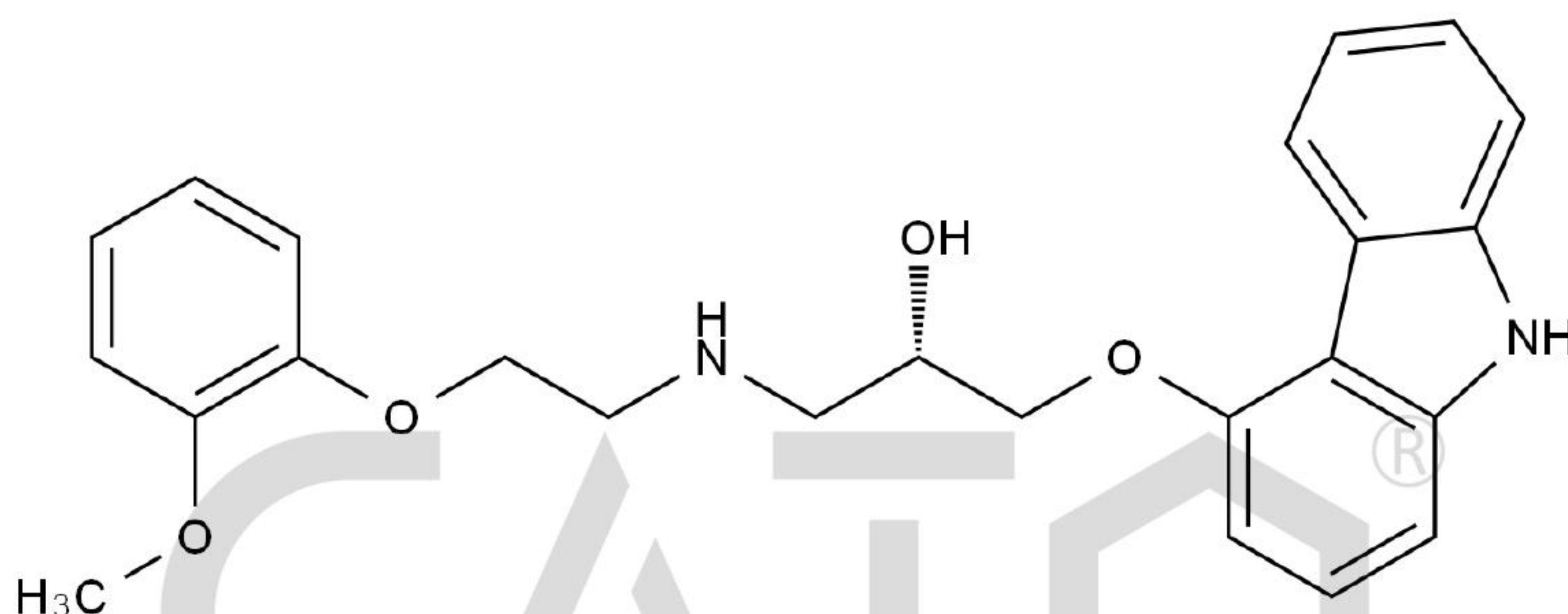


Certificate of Analysis

Reference Material

Product Name:	Carvedilol (S)-Isomer	Catalogue Number:	CP154129
Chemical Name:	N/A	Lot Number:	1115-RD-0022
CAS Number:	95094-00-1	Expiry Date:	Nov 29, 2025
Molecular Formula:	C ₂₄ H ₂₆ N ₂ O ₄	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	406.47		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Powder
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.042%
Loss On Drying	TGA	0.1114%
Assay		98.9%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100%-Loss On Drying) * Purity HPLC (%) / 100%

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Debia

Reviewed by:

Nacy

Aporoved by General manager:

David

Date: Nov 30, 2022

Date: Nov 30, 2022

Date: Nov 30, 2022

