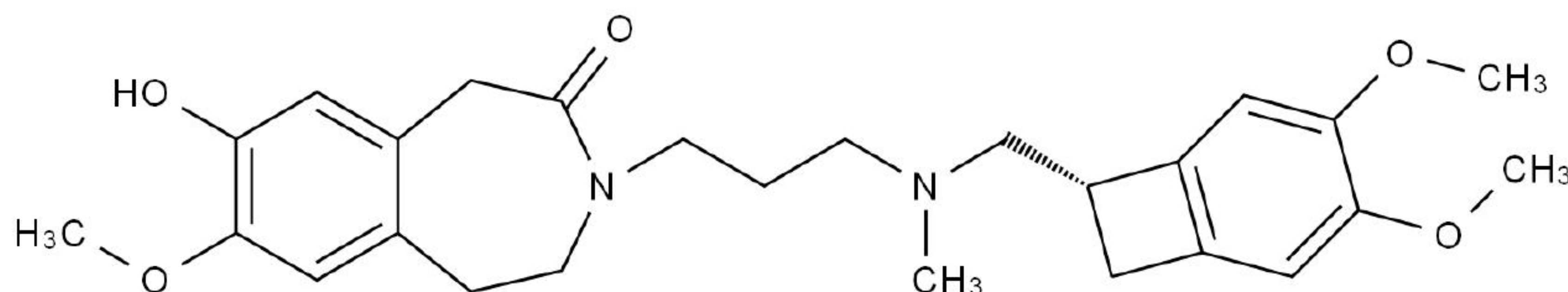


Certificate of Analysis

Reference Material

Product Name:	Ivabradine Impurity 12	Catalogue Number:	C4X-111912
Chemical Name:	N/A	Lot Number:	0627-RD-0051
CAS Number:	304464-97-9	Expiry Date:	Jun 27, 2025
Molecular Formula:	C ₂₆ H ₃₄ N ₂ O ₅	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	454.56		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	95.324%
Loss On Drying	TGA	1.4147%
Residual Solvents	NMR	dichloromethane
Assay		94.0%

Comment:

The calculation of the 100% method follows the formula:

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:

Hinlam

Aporoved by General manager

David

Date: Jun 28, 2022

Date: Jun 29, 2022

Date: Jun 29, 2022

