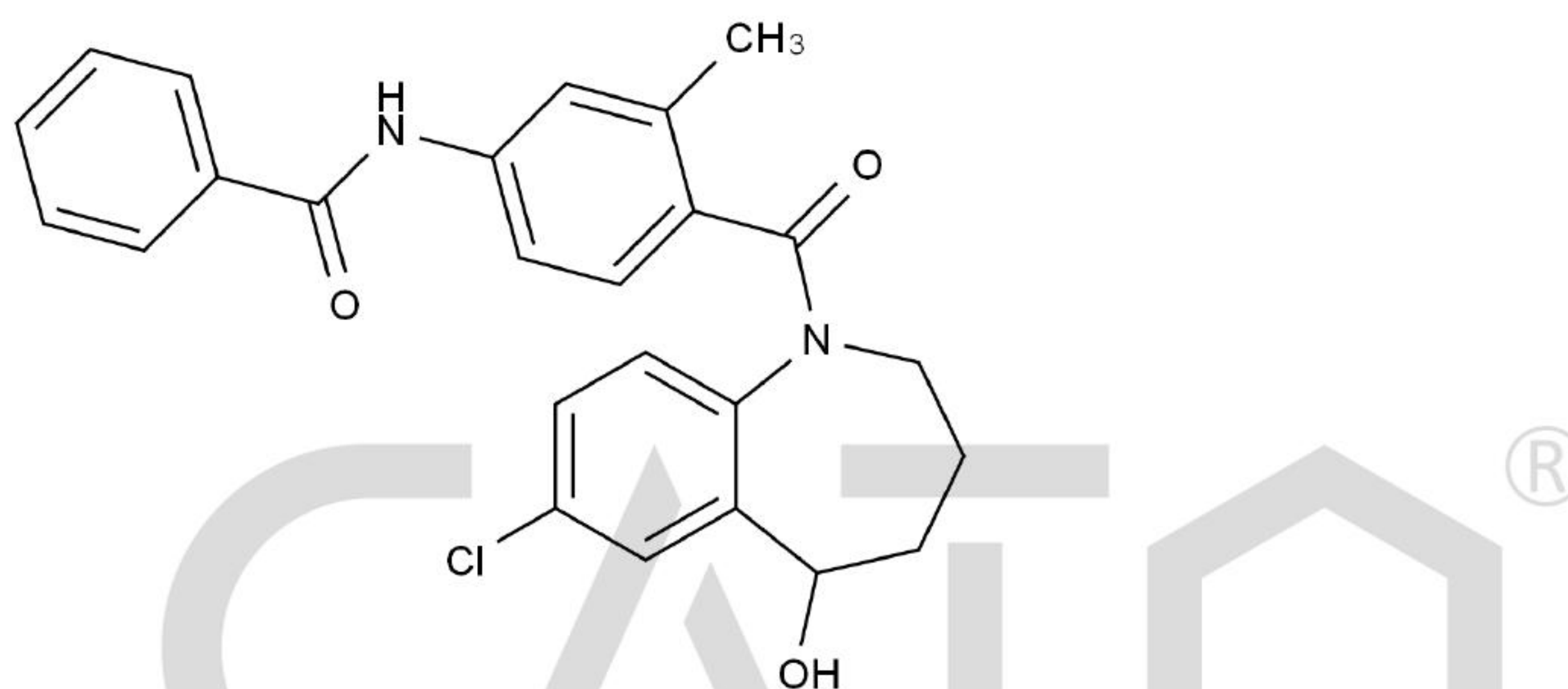


Certificate of Analysis

Reference Material & Standard

Product Name:	Tolvaptan Impurity 23	Catalogue Number:	C4X-195523
Synonyms:	N/A	Lot Number:	1126-RF-0010
CAS Number:	1580889-33-3	Expiry Date:	Nov 25, 2027
Molecular Formula:	C ₂₅ H ₂₃ ClN ₂ O ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	434.91		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.2%
Assay	qNMR	90.5%

Comment:

Assay was determined by quantitative ¹H-NMR.

Signature:

Prepared by:

Lily

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Nov 28, 2024

Date: Nov 28, 2024

Date: Nov 28, 2024

