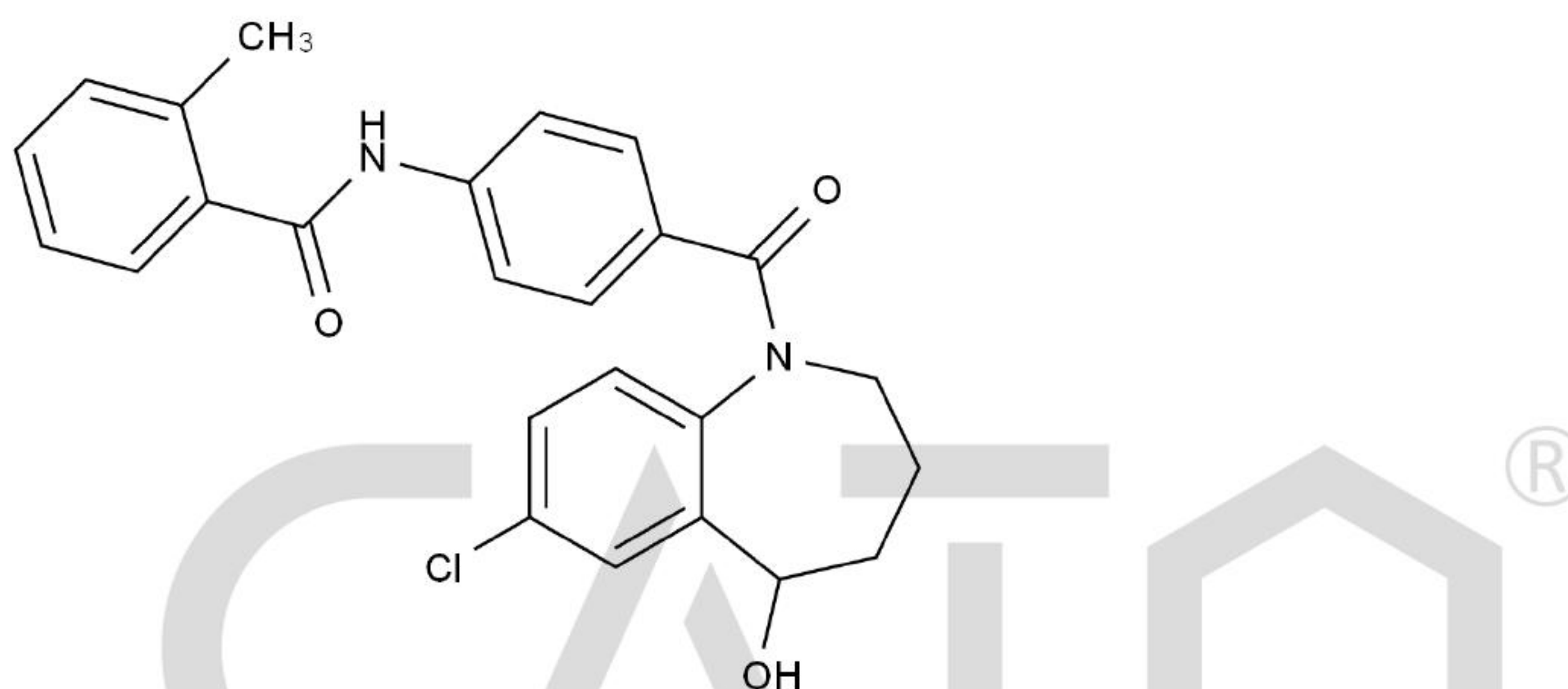


Certificate of Analysis

Reference Material & Standard

Product Name:	Tolvaptan Impurity 24	Catalogue Number:	C4X-195524
Synonyms:	N/A	Lot Number:	1126-RF-0012
CAS Number:	150683-27-5	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	98.443%
Loss On Drying	TGA	2.97%
Assay		95.5%

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:

Lily

Reviewed by:

Hin Lam

Approved by General Manager:

David

Date: Nov 28, 2024

Date: Nov 28, 2024

Date: Nov 28, 2024

