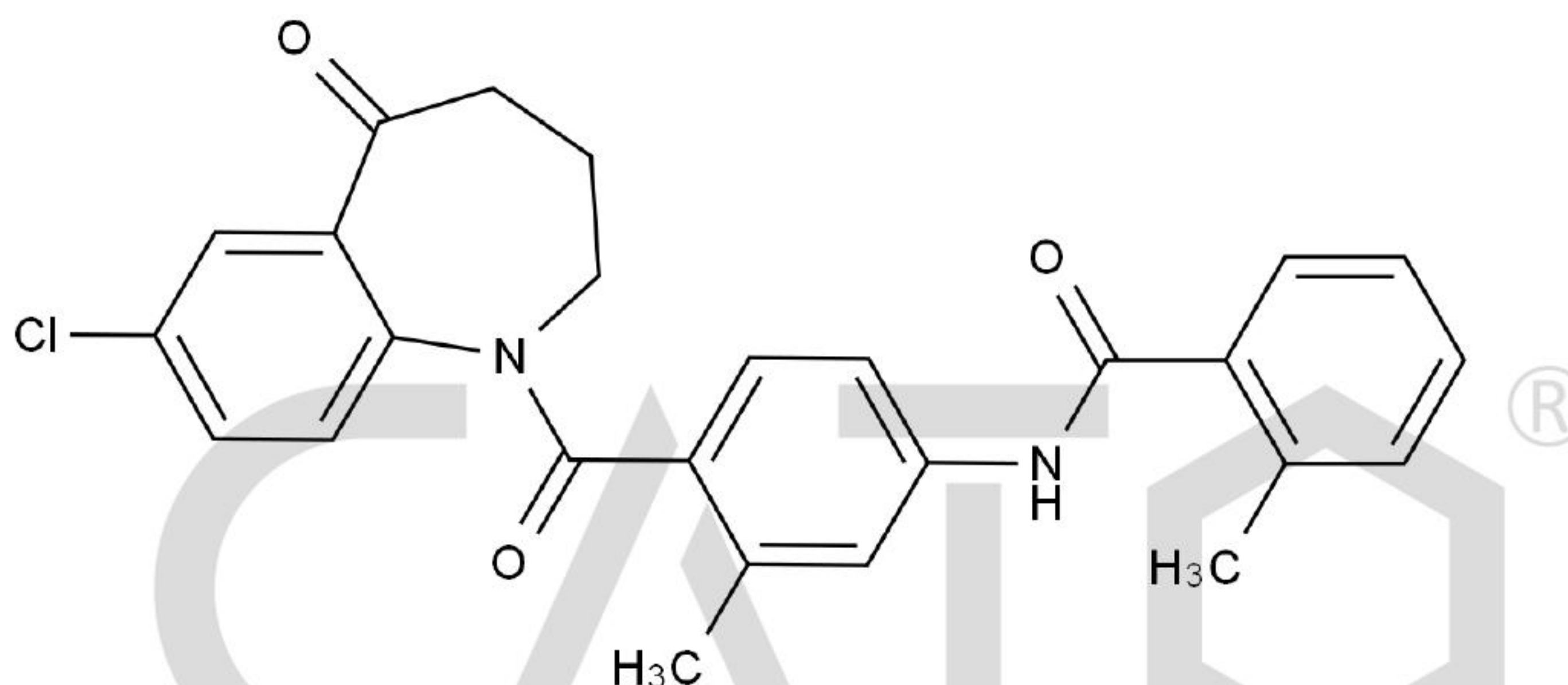


Certificate of Analysis

Reference Material & Standard

Product Name:	Tolvaptan Impurity 14	Catalogue Number:	C4X-195514
Synonyms:	N/A	Lot Number:	0823-RD-0020
CAS Number:	137973-76-3	Expiry Date:	Nov 07, 2027
Molecular Formula:	C ₂₆ H ₂₃ ClN ₂ O ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	446.93	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.568%
Loss On Drying	TGA	0.2672%
Assay		98.3%

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:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Nov 08, 2024

Date: Nov 08, 2024

Date: Nov 08, 2024

