

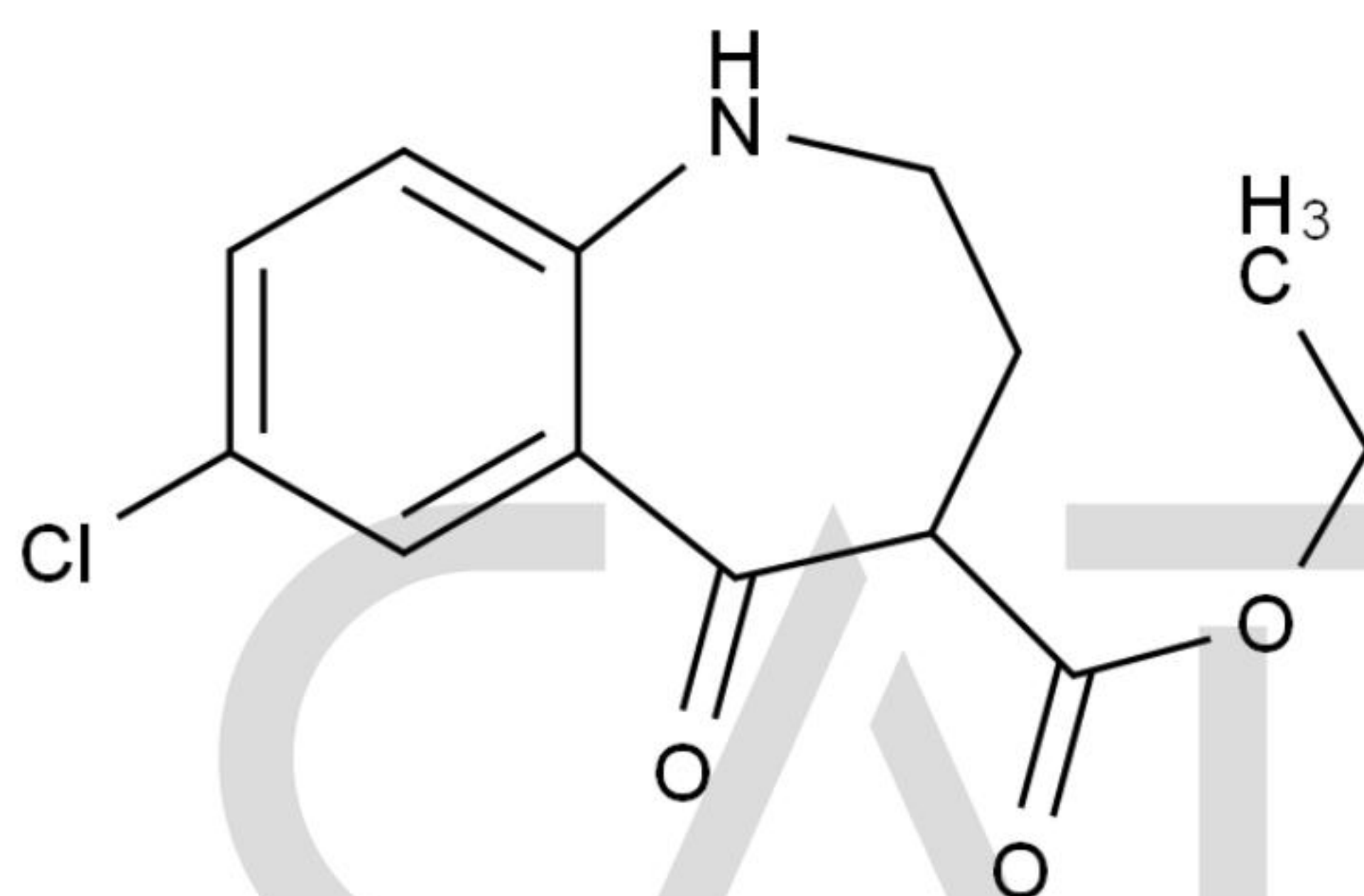
Certificate of Analysis

Reference Material & Standard

Product Name:	Tolvaptan Impurity 5	Catalogue Number:	C4X-19555
Synonyms:	N/A	Lot Number:	0130-RF-0010
CAS Number:	N/A	Expiry Date:	Jan 26, 2027
Molecular Formula:	C ₁₃ H ₁₄ ClNO ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	267.71	Warning:	



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.260%
Loss On Drying	TGA	0.68%
Assay		96.6%

Comment:

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

$\text{Assay (\%)} = (100\% - \text{Loss On Drying}) * \text{Purity HPLC (\%)} / 100\%$

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

Signature:

Prepared by:

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Reviewed by:

Hinlam

Aporoved by General Manager:

David

Date: Jan 30, 2024

Date: Jan 30, 2024

Date: Jan 30, 2024

