

Certificate of Analysis

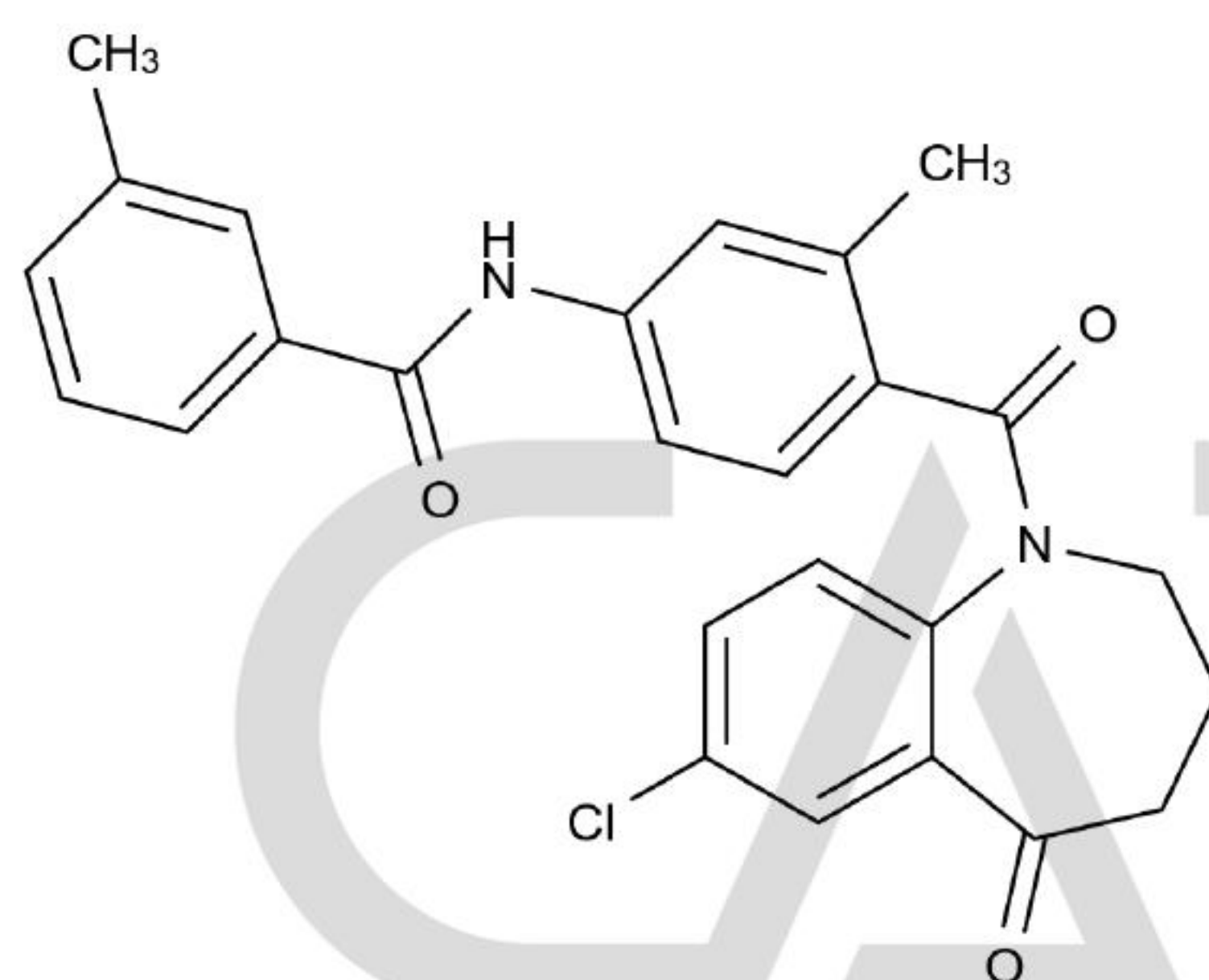
Reference Material & Standard

Product Name:	Tolvaptan Impurity 67	Catalogue Number:	C4X-195567
Synonyms:	N/A	Lot Number:	0731-RH-0005
CAS Number:	1580889-26-4	Expiry Date:	Jul 26, 2030
Molecular Formula:	C ₂₆ H ₂₃ ClN ₂ O ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	446.93	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&UV&HNMR	Confirmed
Purity	HPLC	99.326%
Water Content	Karl Fischer	0.39%
Residual Solvents	NMR	0.74% ethyl acetate
Assay		98.2%

Comment:

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

Assay (%) = (100% - Water Content - Residual Solvents) * Purity HPLC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Reviewed by:

Approved by General Manager:

Date: Jul 31, 2026

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