

Certificate of Analysis

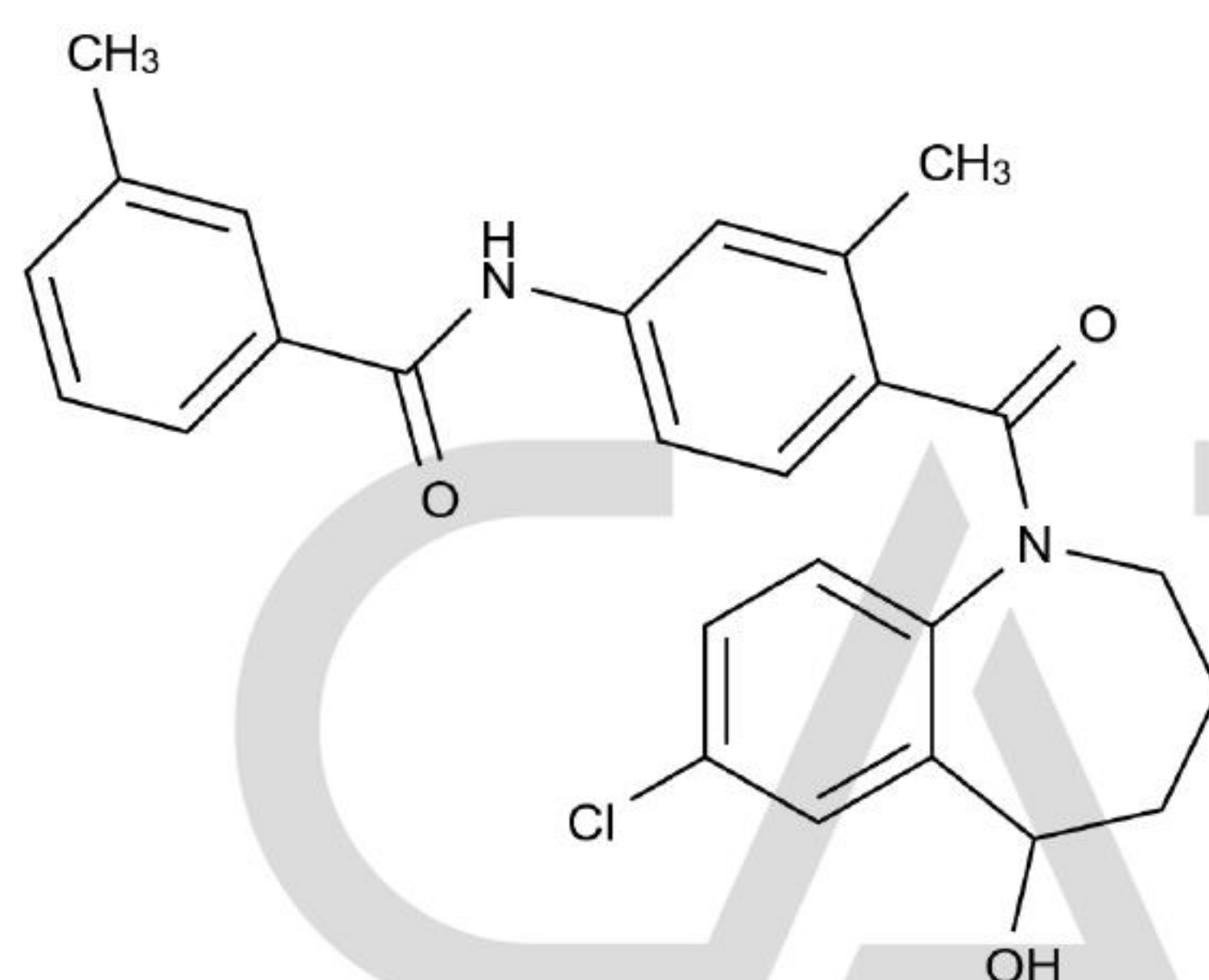
Reference Material & Standard

Product Name:	Tolvaptan Impurity 69	Catalogue Number:	C4X-195569
Synonyms:	N/A	Lot Number:	0731-RH-0004
CAS Number:	1580889-27-5	Expiry Date:	Jul 26, 2030
Molecular Formula:	C ₂₆ H ₂₅ ClN ₂ O ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	448.94	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	99.919%
Water Content	Karl Fischer	0.04%
Residual Solvents	NMR	1.23% ethyl acetate
Assay		98.7%

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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