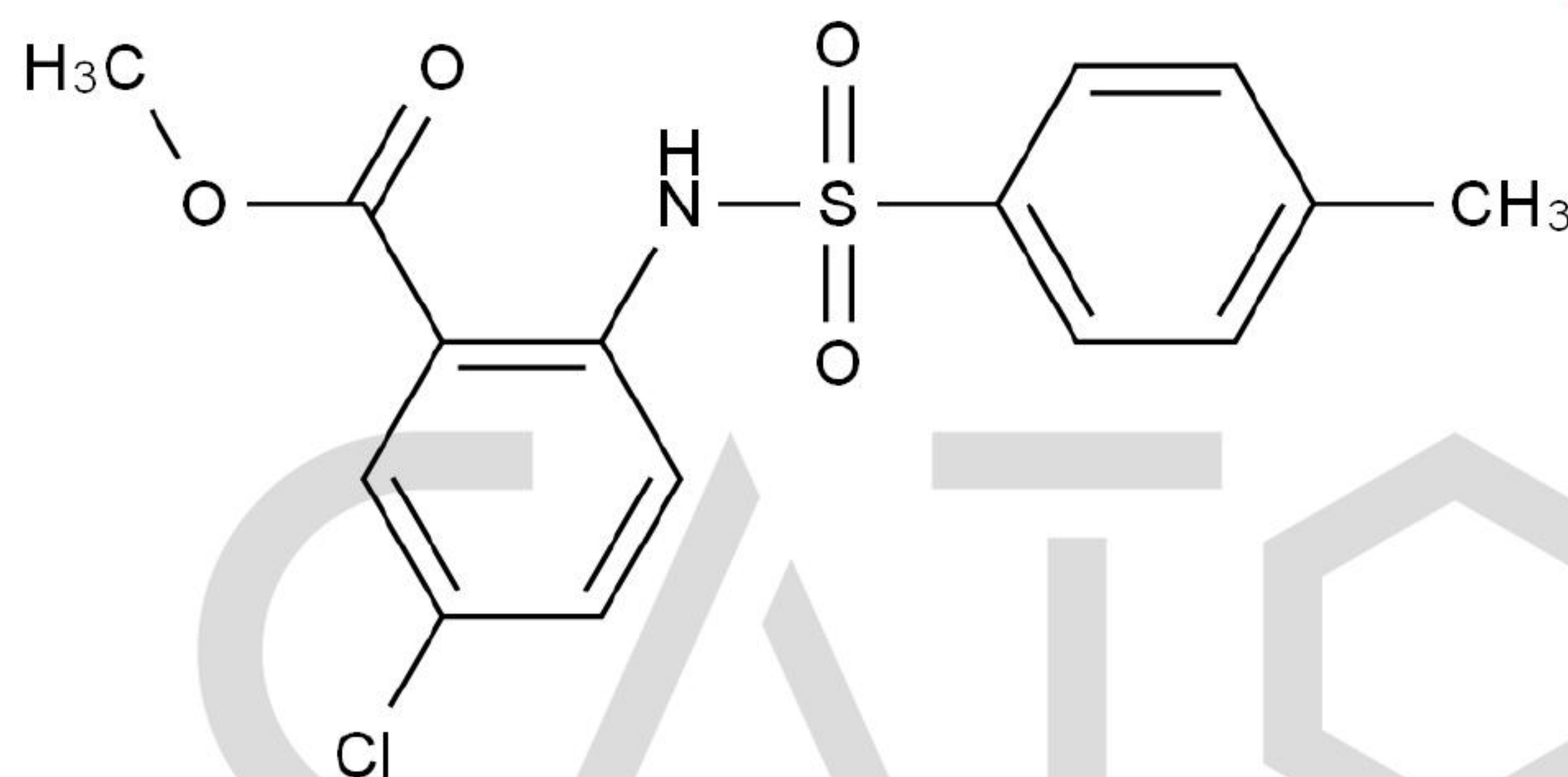


Certificate of Analysis

Reference Material & Standard

Product Name:	Tolvaptan Impurity 1	Catalogue Number:	C4X-19551
Synonyms:	N/A	Lot Number:	1109-RF-0037
CAS Number:	247237-38-3	Expiry Date:	Sep 01, 2027
Molecular Formula:	C ₁₅ H ₁₄ ClNO ₄ S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	339.79	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.741%
Loss On Drying	TGA	0.4929%
Assay		99.2%

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:

Hinlam

Approved by General Manager:

David

Date: Nov 19, 2024

Date: Nov 19, 2024

Date: Nov 19, 2024

