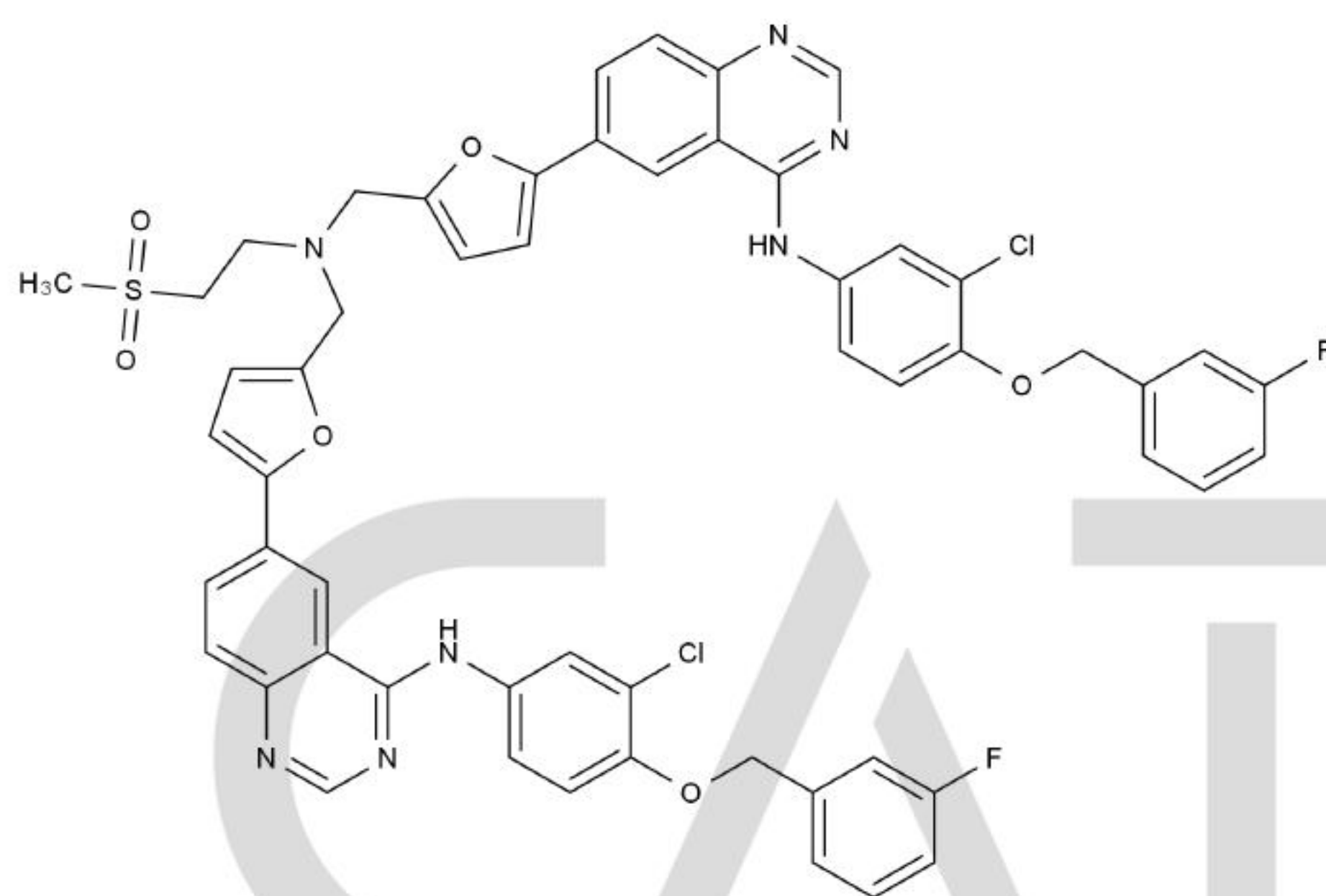


Certificate of Analysis

Reference Material & Standard

Product Name:	Lapatinib Impurity 21	Catalogue Number:	C4X-119121
Synonyms:	N/A	Lot Number:	0703-RG-0057
CAS Number:	2172855-57-9	Expiry Date:	Feb 05, 2027
Molecular Formula:	C ₅₅ H ₄₃ Cl ₂ F ₂ N ₇ O ₆ S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	1038.94	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Solid
Identification	HRMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	96.95%
Loss On Drying	TGA	0.2326%
Assay		96.7%

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:

Lisa

Approved by General Manager:

David

Date: Jul 03, 2025

Date: Jul 03, 2025

Date: Jul 03, 2025

