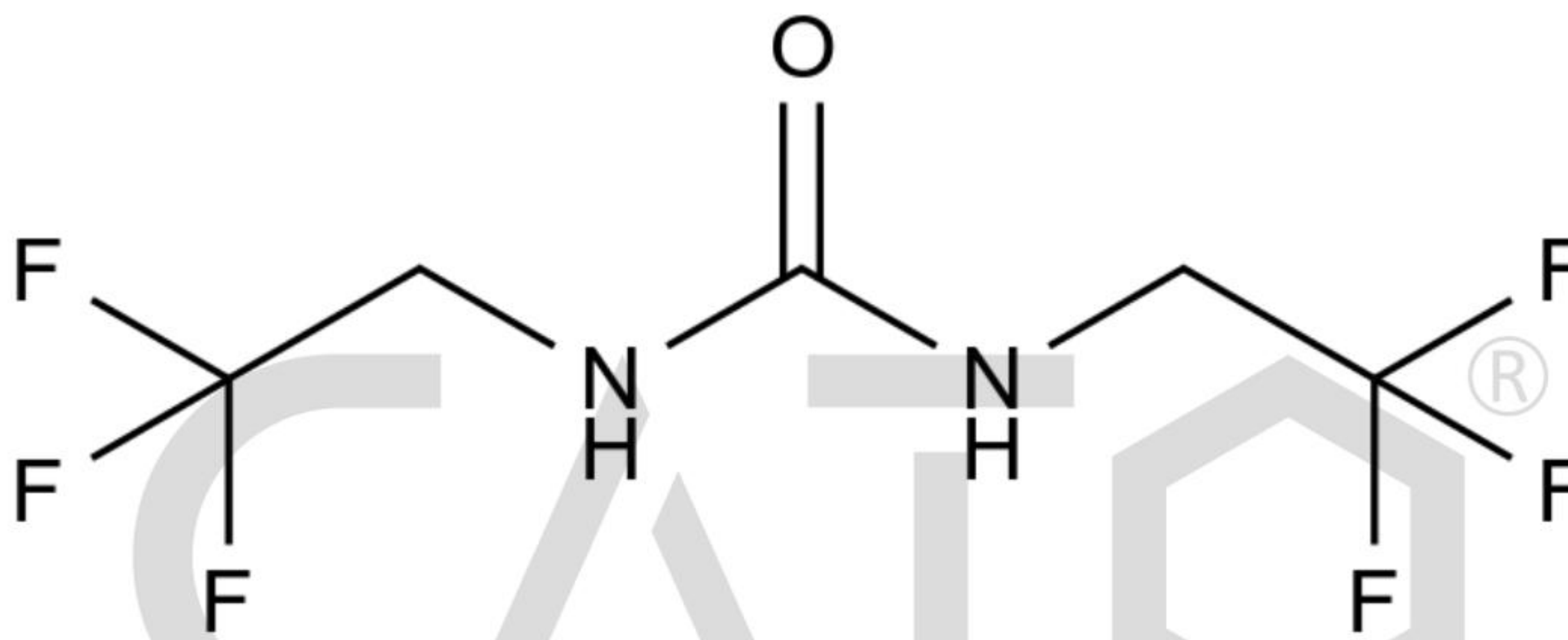


Certificate of Analysis

Reference Material & Standard

Product Name:	Upadacitinib Impurity 54	Catalogue Number:	C4X-240554
Synonyms:	N/A	Lot Number:	0918-RF-0096
CAS Number:	406-11-1	Expiry Date:	Sep 23, 2027
Molecular Formula:	C ₅ H ₆ F ₆ N ₂ O	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	224.10	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	HRMS&CNMR&HNMR	Confirmed
Purity	ELSD	99.05%
Loss On Drying	TGA	0.1927%
Assay		98.9%

Comment:

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

Assay (%) = (100% - Loss On Drying) * Purity ELSD (%) / 100%

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

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Sep 24, 2024

Date: Sep 25, 2024

Date: Sep 25, 2024

