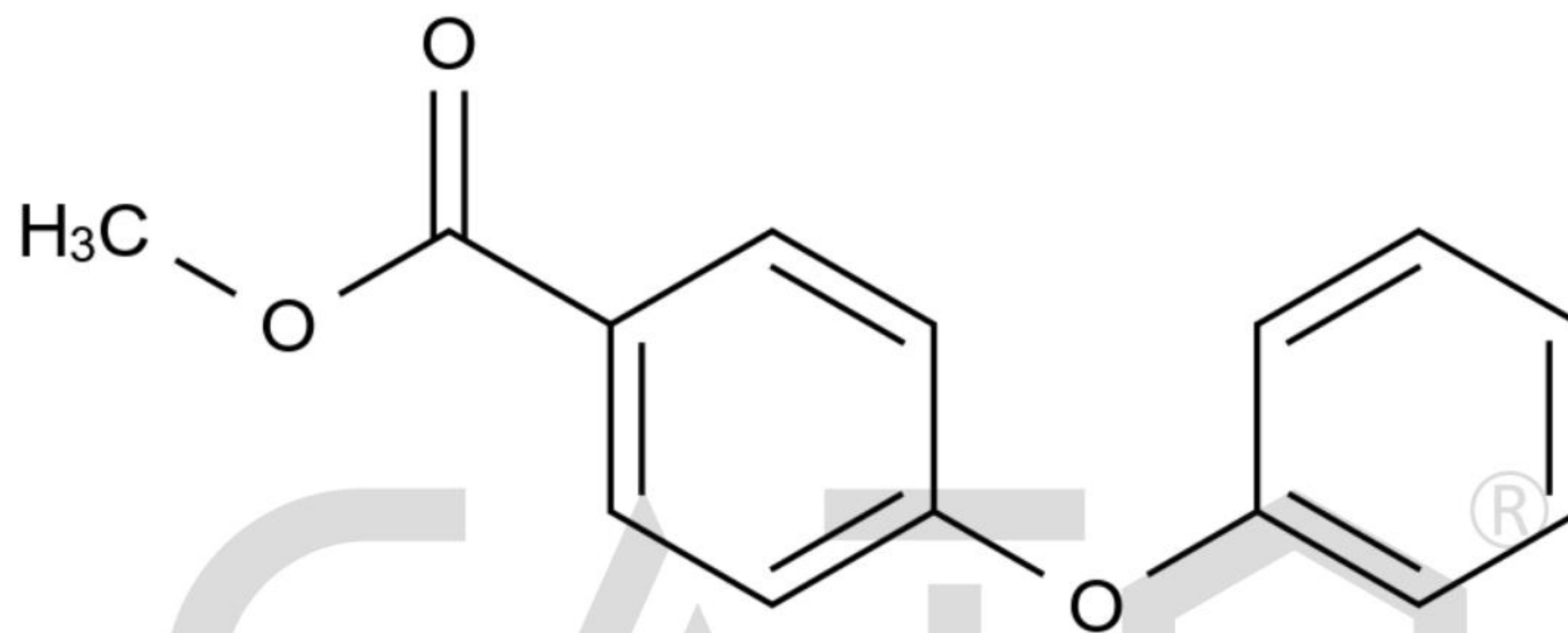


Certificate of Analysis

Reference Material

Product Name:	Ibrutinib Impurity 79	Catalogue Number:	C4X-106479
Chemical Name:	N/A	Lot Number:	0606-RE-0029
CAS Number:	21218-94-0	Expiry Date:	Jun 06, 2026
Molecular Formula:	C ₁₄ H ₁₂ O ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	228.24		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Powder
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.4%
Assay	qNMR	98.1%

Comment:

Assay was determined by quantitative ¹H-NMR.

Signature:

Prepared by:

Yuki

Reviewed by:

Debia

Aporoved by General manager:

David

Date: Jun 07, 2023

Date: Jun 21, 2023

Date: Jun 21, 2023

