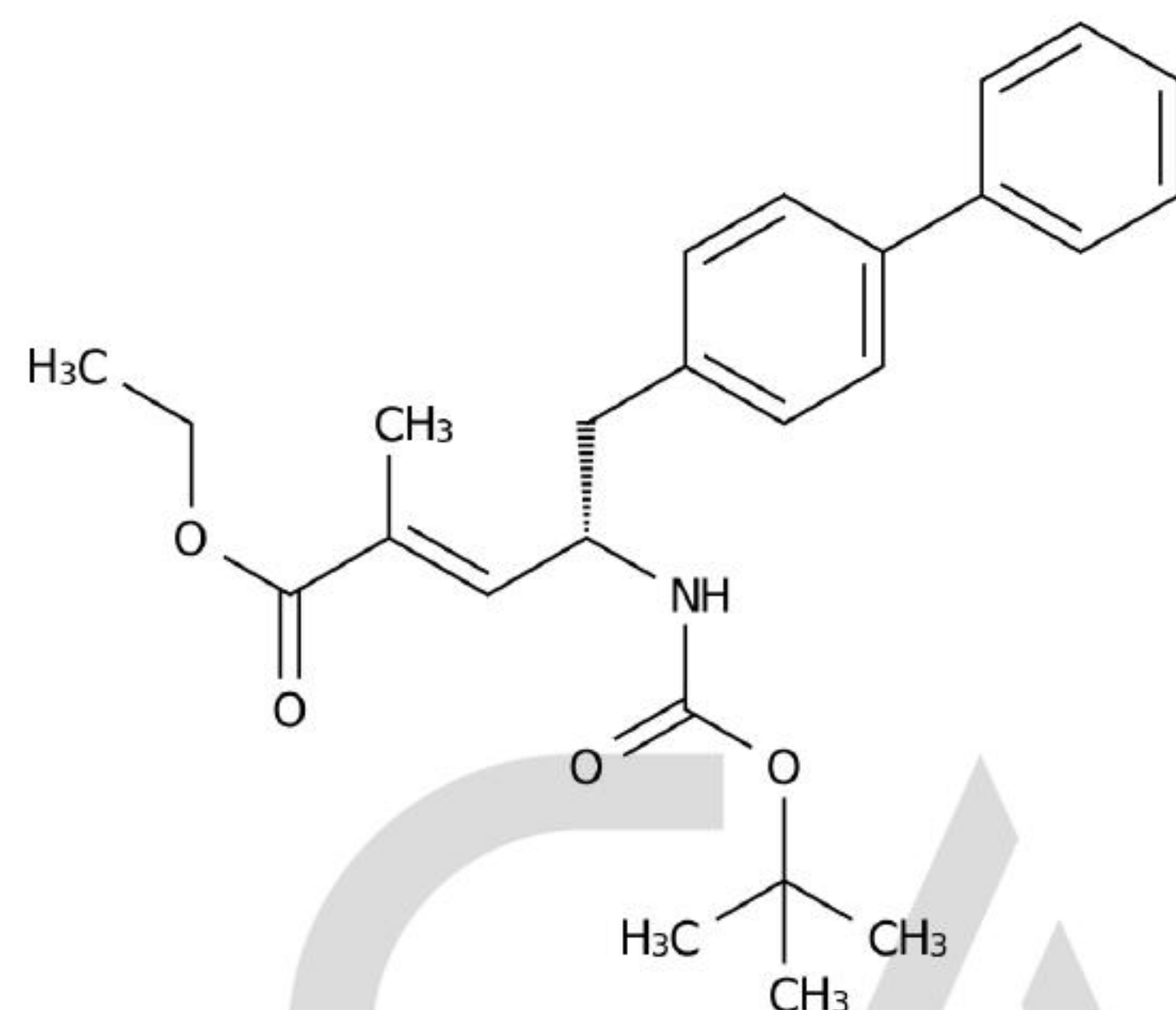


Certificate of Analysis

Reference Material

Product Name:	LCZ-696 Impurity 82	Catalogue Number:	C4X-169682
Chemical Name:	N/A	Lot Number:	0606-RD-0003
CAS Number:	2131788-25-3	Expiry Date:	May 20, 2025
Molecular Formula:	C ₂₅ H ₃₁ NO ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	409.52		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	100.0000%
Water Content	Karl Fischer	0.1%
Residual Solvents	NMR	Not detected in NMR
Optical Rotation		[α] _D ^{25.0} (c=0.41, CHCl ₃): +29.7°
Assay		99.9%

Comment:

The calculation of the 100% method follows the formula:

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:

Hin Lam

Reviewed by:

Cady

Aporoved by General manager:

David

Date: May 24, 2022

Date: Jun 08, 2022

Date: Jun 08, 2022

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