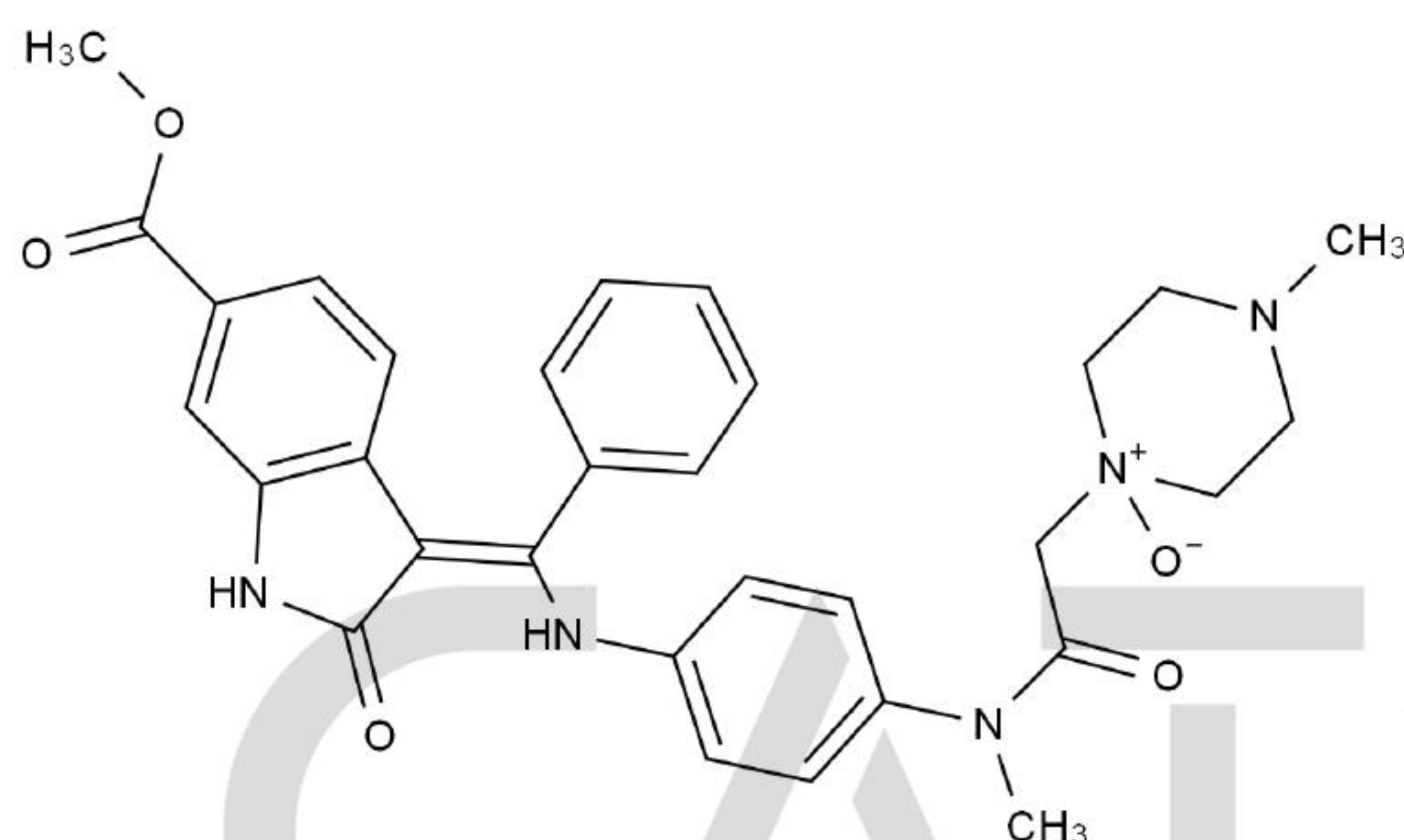


Certificate of Analysis

Reference Material

Product Name:	Nintedanib Impurity 21	Catalogue Number:	C4X-181421
Chemical Name:	N/A	Lot Number:	0515-RE-0008
CAS Number:	N/A	Expiry Date:	May 07, 2026
Molecular Formula:	C ₃₁ H ₃₃ N ₅ O ₅	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	555.62		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	96.8%
Residual Solvents	NMR	3.5% methanol
Assay	qNMR	88.7%

Comment:

Assay was determined by quantitative ¹H-NMR.

Signature:

Prepared by:

Hinlam

Reviewed by:

Xenia

Aporoved by General manager:

David

Date: May 08, 2023

Date: May 15, 2023

Date: May 15, 2023

