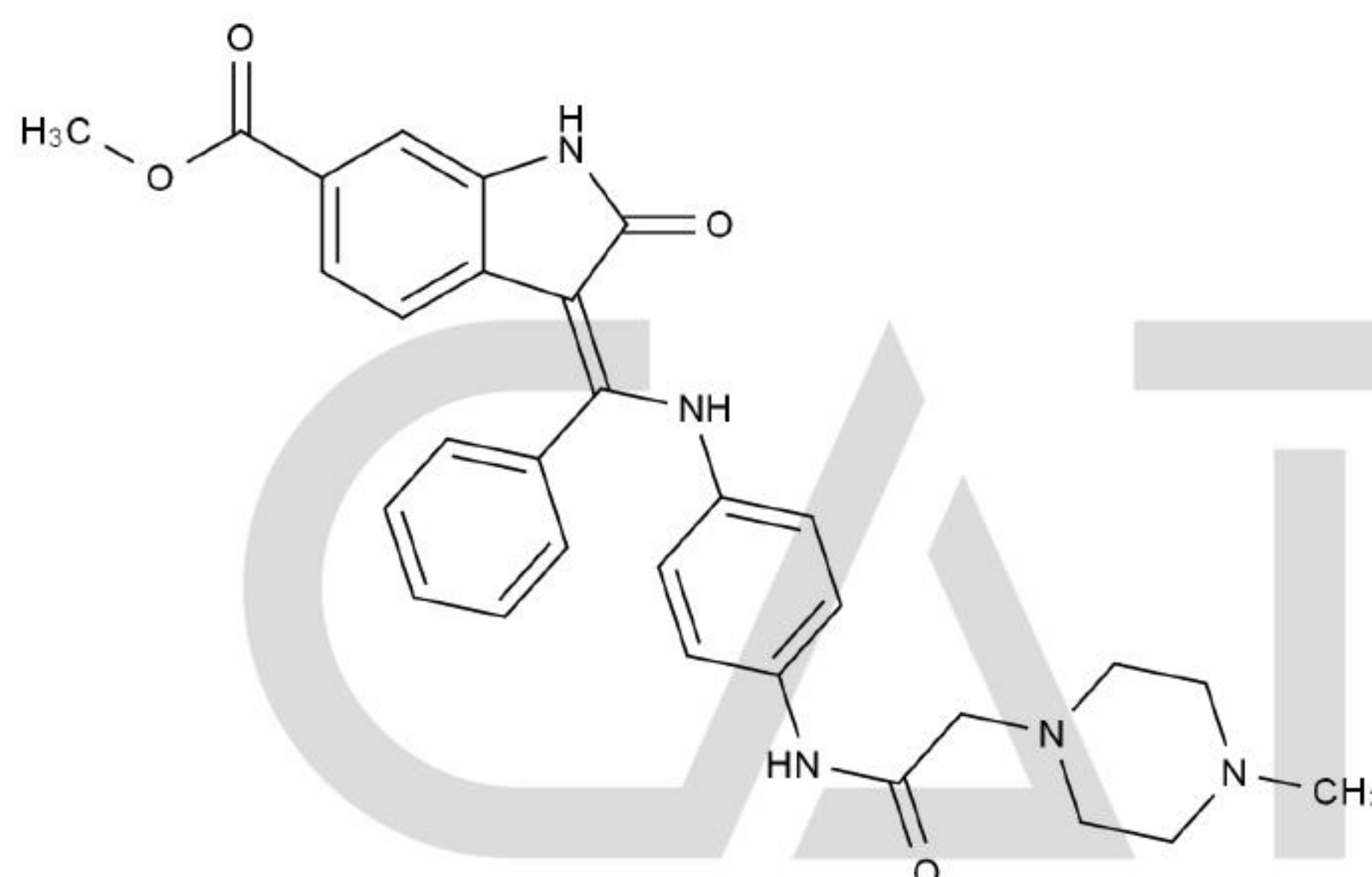


Certificate of Analysis

Reference Material & Standard

Product Name:	Nintedanib Impurity N7	Catalogue Number:	C4X-12667
Synonyms:	Methyl (3Z)-3-[(4-[2-(4-methylpiperazin-1-yl)acetamido]phenyl)amino)(phenyl)methylidene]-2-oxo-2,3-dihydro-1H-indole-6-carboxylate	Lot Number:	0709-RH-0008
CAS Number:	894783-61-0	Expiry Date:	Jul 27, 2030
Molecular Formula:	C ₃₀ H ₃₁ N ₅ O ₄	Storage:	2°C ~ 8°C Sealed
Molecular Weight:	525.60	Shipping Condition:	Shipping at Room Temperature
Solubility:	Soluble in Acetonitrile and DMSO	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	98.034%
Residue on Ignition	TGA	0.5822%
Loss on Drying	TGA	3.8104%
Assay	qNMR	93.6%
Assay	Mass Balance	93.7%

Comment:

- The retest date of this product is Jul 27, 2029.
- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Residue on Ignition} - \text{Loss on Drying}) * \text{Purity HPLC (\%)} / 100\%$$
Residue on Ignition and Loss on Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Alice

Approved by General Manager:

David

Date: Aug 05, 2026

Date: Aug 05, 2026

Date: Aug 05, 2026

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