

Certificate of Analysis

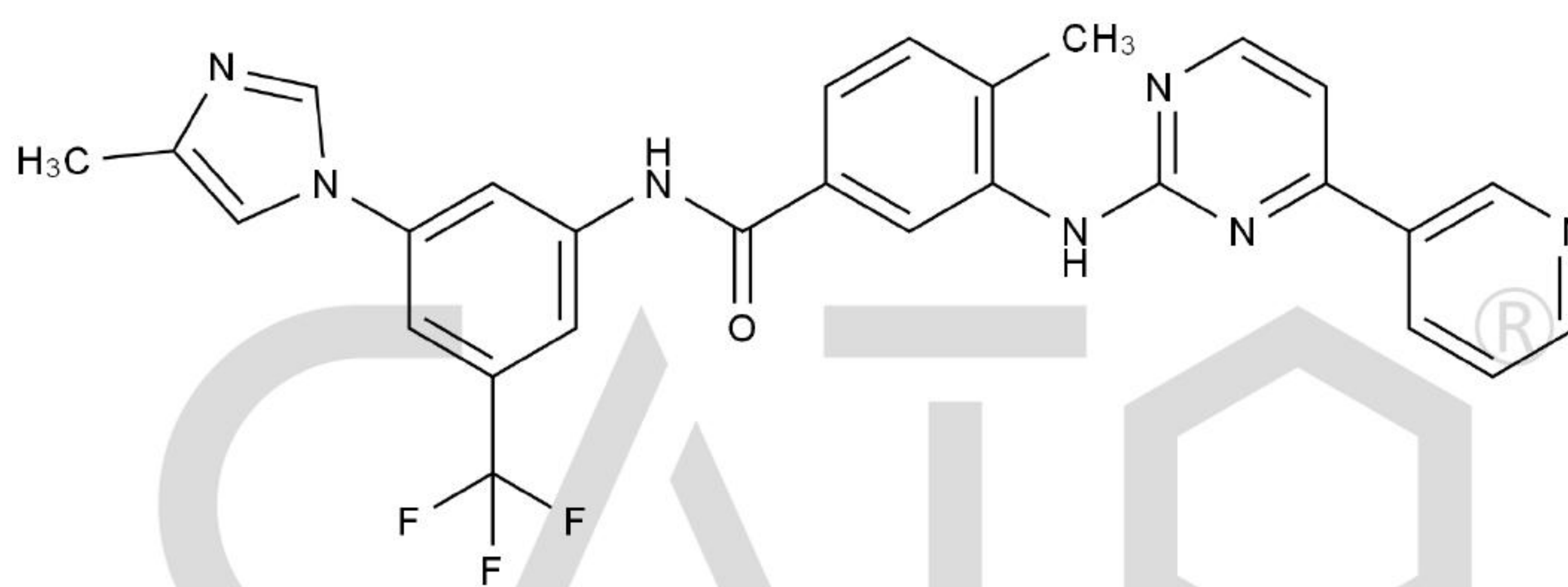
Reference Material & Standard

Product Name:	Nilotinib Hydrochloride Monohydrate	Catalogue Number:	C4X-1256
Synonyms:	N/A	Lot Number:	0715-RG-0075
CAS Number:	923288-90-8	Expiry Date:	Nov 24, 2029
Molecular Formula:	C ₂₈ H ₂₂ F ₃ N ₇ O HCl H ₂ O	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	529.52 36.46 18.02	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	100.000%
Residue on Ignition	TGA	1.5683%
Loss On Drying	TGA	3.1225%
Loss On Drying(Free Water)		0.0369%
Assay		98.4%

Comment:

- The content of crystal water is 3.0856%.
- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

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

Signature:

Prepared by:

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Approved by General Manager:

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Date: Nov 25, 2025

Date: Nov 25, 2025

Date: Nov 25, 2025



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