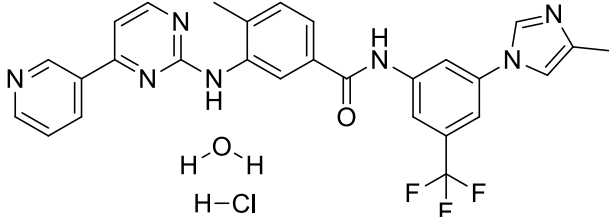




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
100673	Nilotinib HCl hydrate	TZC50309

Chemical name	
4-methyl-N-[3-(4-methyl-1H-imidazol-1-yl)-5-(trifluoromethyl)phenyl]-3-[[4-(3-pyridinyl)-2-pyrimidinyl]amino]-benzamide hydrochloride monohydrate	
Synonyms	
AMN 107; AMN107; AMN-107; Nilotinib; US brand name: Tasigna. Nilotinib HCl hydrate.	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 100673 Name: Nilotinib HCl hydrate CAS#: 923288-90-8 Lot#TZC50309 Chemical Formula: C ₂₈ H ₂₅ ClF ₃ N ₇ O ₂ Molecular Weight: 583.99 Nilotinib (free base) Chemical Formula: C ₂₈ H ₂₂ F ₃ N ₇ O Exact Mass: 529.18379; Molecular Weight: 529.51

Analysis item	Specifications / Results
Appearance	White to off-white solid powder
Structure	¹ H-NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature.
Purity (HPLC)	>99.0%
Solubility	Soluble in DMSO.
Conclusion	This product conforms with MedKoo's quality standards
Shipping condition	Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs.
Storage condition	Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition
Shelf life	At least 3 years if properly stored.

CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE