

Product Information

Bcr-Abl inhibitor Nilotinib monohydrochloride monohydrate, Purity $\geq 98\%$

Cat. No.: X24-06-ZQ484

Size: 200 mg; 500 mg; 1 g

MDL: MFCD18251359

CAS Number: 923288-90-8

Compound CID: 16757572

Synonym: 923288-90-8; Bcr-Abl inhibitor; AMN-107; Tasigna; AMN107

This product is for research use only and is not intended for diagnostic use.

Product Information

Description	Nilotinib monohydrochloride monohydrate specifically inhibits the activity of the Bcr-Abl tyrosine kinase.
Molecular Weight	583.99
Molecular Formula	C ₂₈ H ₂₅ ClF ₃ N ₇ O ₂
IUPAC Name	4-Methyl-N-[3-(4-methylimidazol-1-yl)-5-(trifluoromethyl)phenyl]-3-[(4-pyridin-3-yl)pyrimidin-2-yl]amino]benzamide;hydrate;hydrochloride
InChI	InChI=1S/C28H22F3N7O.ClH.H2O/c1-17-5-6-19(10-25(17)37-27-33-9-7-24(36-27)20-4-3-8-32-14-20)26(39)35-22-11-21(28(29,30)31)12-23(13-22)38-15-18(2)34-16-38;/h3-16H,1-2H3,(H,35,39)(H,33,36,37);1H;1H2
InChI Key	YCBPQSYLYYBPDW-UHFFFAOYSA-N
Canonical SMILES	CC1=C(C=C(C=C1)C(=O)NC2=CC(=CC(=C2)C(F)(F)F)N3C=C(N=C3)C)NC4=NC=CC(=N4)C5=CN=CC=C5.O.Cl
Form	Lyophilized powder
Purity	$\geq 98\%$
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade
Applications	Nilotinib monohydrochloride monohydrate targets Bcr-Abl for research in chronic myeloid leukemia therapies.
Storage	Store at -20°C, and keep desiccated.



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