

Product Information

Bcr-Abl inhibitor AMN-107, Purity $\geq 98\%$

Cat. No.: X24-06-ZQ483

Size: 100 mg; 200 mg; 500 mg

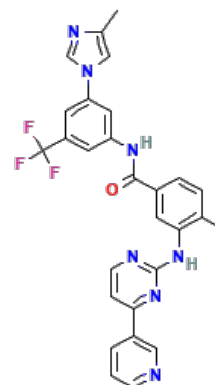
MDL: MFCD09833716

CAS Number: 641571-10-0

Compound CID: 644241

Synonym: 641571-10-0; Bcr-Abl inhibitor; AMN107

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



Product Information

Description	AMN-107, soluble in DMSO and insoluble in ethanol and water, specifically inhibits the activity of the Bcr-Abl tyrosine kinase. It targets Bcr-Abl (Murine myeloid progenitor cells).
Molecular Weight	529.5
Molecular Formula	C ₂₈ H ₂₂ F ₃ N ₇ O
Targets	Bcr-Abl (Murine myeloid progenitor cells): <30 nM
IUPAC Name	4-Methyl-N-[3-(4-methylimidazol-1-yl)-5-(trifluoromethyl)phenyl]-3-[(4-pyridin-3-yl)pyrimidin-2-yl]amino]benzamide
InChI	InChI=1S/C28H22F3N7O/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)
InChI Key	HHZIURLSWUIHRB-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
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 26 mg/mL (49.09 mM); Water: Insoluble; Ethanol: Insoluble
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

AMN-107 inhibits Bcr-Abl, focusing on treating drug-resistant chronic myeloid leukemia.

Storage

Store at -20°C, and keep desiccated.
