

Product Information

Bcr-Abl inhibitor GNF 7, Purity ≥98%

Cat. No.: X24-06-ZQ462

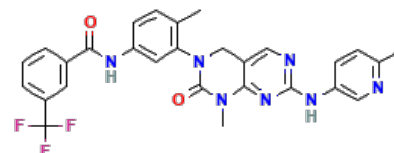
Size: 5 mg; 10 mg; 25 mg; 50 mg

MDL: MFCD18251569

CAS Number: 839706-07-9

Compound CID: 11478363

Synonym: 839706-07-9; Bcr-Abl inhibitor; GNF7; GNF 7



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

Product Information

Description	GNF 7, soluble in warmed DMSO and insoluble in water and ethanol, specifically inhibits the activity of the Bcr-Abl tyrosine kinase. It targets c-Abl, E255V, G250E, M351T, and T315I.
Molecular Weight	547.53
Molecular Formula	C ₂₈ H ₂₄ F ₃ N ₇ O ₂
Targets	c-Abl: 133 nM; E255V: 122 nM; G250E: 136 nM; M351T: <5 nM; T315I: 61 nM
IUPAC Name	<i>N</i> -[4-methyl-3-[1-methyl-7-[(6-methylpyridin-3-yl)amino]-2-oxo-4 <i>H</i> -pyrimido[4,5- <i>d</i>]pyrimidin-3-yl]phenyl]-3-(trifluoromethyl)benzamide
InChI	InChI=1S/C28H24F3N7O2/c1-16-7-9-21(34-25(39)18-5-4-6-20(11-18)28(29,30)31)12-23(16)38-15-19-13-33-26(36-24(19)37(3)27(38)40)35-22-10-8-17(2)32-14-22/h4-14H,15H2,1-3H3,(H,34,39)(H,33,35,36)
InChI Key	SZNYUUZOQHNEKB-UHFFFAOYSA-N
Canonical SMILES	CC1=C(C=C(C=C1)NC(=O)C2=CC(=CC=C2)C(F)(F)F)N3CC4=CN=C(N=C4N(C3=O)C)NC5=CN=C(C=C5)C
Form	Lyophilized powder
Purity	≥98%
Solubility	Warmed DMSO: 17 mg/mL (40.63 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

GNF 7 acts on Bcr-Abl to study its application in hematological malignancies.

Storage

Store at -20°C, and keep desiccated.
