

Product Information

Bcr-Abl inhibitor GNF 5, Purity $\geq 98\%$

Cat. No.: X24-06-ZQ461

Size: 10 mg; 25 mg; 50 mg; 100 mg

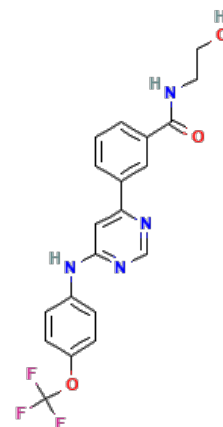
MDL: MFCD16877246

CAS Number: 778277-15-9

Compound CID: 44129660

Synonym: 778277-15-9; Bcr-Abl inhibitor; GNF 5; GNF5

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



Product Information

Description	GNF 5, soluble in DMSO and warmed ethanol and insoluble in water, specifically inhibits the activity of the Bcr-Abl tyrosine kinase.
Molecular Weight	418.4
Molecular Formula	C ₂₀ H ₁₇ F ₃ N ₄ O ₃
IUPAC Name	<i>N</i> -(2-hydroxyethyl)-3-[6-[4-(trifluoromethoxy)anilino]pyrimidin-4-yl]benzamide
InChI	InChI=1S/C20H17F3N4O3/c21-20(22,23)30-16-6-4-15(5-7-16)27-18-11-17(25-12-26-18)13-2-1-3-14(10-13)19(29)24-8-9-28/h1-7,10-12,28H,8-9H2,(H,24,29)(H,25,26,27)
InChI Key	IIQUYGWWHIHO CF-UHFFFAOYSA-N
Canonical SMILES	C1=CC(=CC(=C1)C(=O)NCCO)C2=CC(=NC=N2)NC3=CC=C(C=C3)OC(F)(F)F
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 71 mg/mL (169.7 mM); Water: Insoluble; Warmed ethanol: 17 mg/mL (40.63 mM)
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 5 is a Bcr-Abl inhibitor, also researched for targeting leukemia cell lines.
Storage	Store at -20°C, and keep desiccated.