

Product Information

Bcr-Abl inhibitor GNF 2, Purity $\geq 98\%$

Cat. No.: X24-06-ZQ460

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

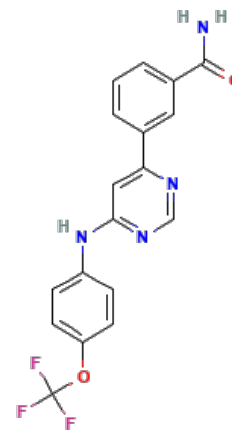
MDL: MFCD09265253

CAS Number: 778270-11-4

Compound CID: 5311510

Synonym: 778270-11-4; Bcr-Abl inhibitor; GNF2; GNF-2

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



Product Information

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| Description | GNF 2, soluble in DMSO and insoluble in ethanol and water, specifically inhibits the activity of the Bcr-Abl tyrosine kinase. It targets Bcr-Abl (K562 cell line) and Bcr-Abl (SUP-B15 cell line). |
| Molecular Weight | 374.3 |
| Molecular Formula | C ₁₈ H ₁₃ F ₃ N ₄ O ₂ |
| Targets | Bcr-Abl (K562 cell line): 273 nM; Bcr-Abl (SUP-B15 cell line): 268 nM |
| IUPAC Name | 3-[6-[4-(Trifluoromethoxy)anilino]pyrimidin-4-yl]benzamide |
| InChI | InChI=1S/C18H13F3N4O2/c19-18(20,21)27-14-6-4-13(5-7-14)25-16-9-15(23-10-24-16)11-2-1-3-12(8-11)17(22)26/h1-10H,(H2,22,26)(H,23,24,25) |
| InChI Key | WEVYNIUIFUVDGI-UHFFFAOYSA-N |
| Canonical SMILES | C1=CC(=CC(=C1)C(=O)N)C2=CC(=NC=N2)NC3=CC=C(C=C3)OC(F)(F)F |
| Form | Lyophilized powder |
| Purity | $\geq 98\%$ |
| Solubility | DMSO: 67 mg/mL (178.99 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 2 inhibits Bcr-Abl, useful in chronic myeloid leukemia studies. |
| Storage | Store at -20°C, and keep desiccated. |