

Product Information

Bcr-Abl inhibitor CZC-8004, Purity \geq 98%

Cat. No.: X24-06-ZQ442

Size: 5 mg; 10 mg; 50 mg; 100 mg

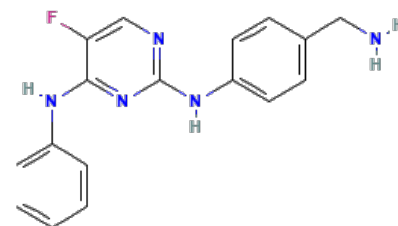
MDL: MFCD16251195

CAS Number: 916603-07-1

Compound CID: 15980598

Synonym: 916603-07-1; Bcr-Abl inhibitor; CZC 8004; CZC8004; CZC-00008004; CZC00008004; CZC 00008004

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



Product Information

Description	CZC-8004, soluble in DMSO and ethanol and insoluble in water, specifically inhibits the activity of the Bcr-Abl tyrosine kinase.
Molecular Weight	309.34
Molecular Formula	C ₁₇ H ₁₆ FN ₅
IUPAC Name	2- <i>N</i> -[4-(aminomethyl)phenyl]-5-fluoro-4- <i>N</i> -phenylpyrimidine-2,4-diamine
InChI	InChI=1S/C17H16FN5/c18-15-11-20-17(22-14-8-6-12(10-19)7-9-14)23-16(15)21-13-4-2-1-3-5-13/h1-9,11H,10,19H2,(H2,20,21,22,23)
InChI Key	UKOHFWNBUTJMMN-UHFFFAOYSA-N
Canonical SMILES	C1=CC=C(C=C1)NC2=NC(=NC=C2F)NC3=CC=C(C=C3)CN
Form	Lyophilized powder
Purity	\geq 98%
Solubility	DMSO: 58 mg/mL (187.49 mM); Water: Insoluble; Ethanol: 6 mg/mL
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	CZC-8004 is employed in research to study Bcr-Abl mediated oncogenic processes, with the goal of enhancing leukemia treatments.
Storage	Store at -20°C, and keep desiccated.