CD BioGlyco
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Product Information

Bcr-Abl inhibitor PD173955, Purity ≥98%

Cat. No.: X24-06-ZQ497

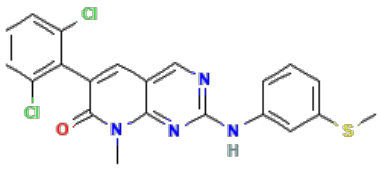
Size: 5 mg; 10 mg; 25 mg; 50 mg

CAS Number: 260415-63-2

Compound CID: 447077

Synonym: 260415-63-2; Bcr-Abl inhibitor; PD 173955; PD-173955

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



Product Information

Description	PD173955, soluble in warmed DMSO and insoluble in water and ethanol, specifically inhibits the activity of the Bcr-Abl tyrosine kinase. It targets Bcr-Abl and Src.
Molecular Weight	443.35
Molecular Formula	$C_{21}H_{16}Cl_2N_4OS$
Targets	Bcr-Abl: 1-2 nM; Src: 22 nM
IUPAC Name	6-(2,6-Dichlorophenyl)-8-methyl-2-(3-methylsulfanylanilino)pyrido[2,3-d]pyrimidin-7-one
InChI	InChI=1S/C21H16Cl2N4OS/c1-27-19-12(9-15(20(27)28)18-16(22)7-4-8-17(18)23)11-24-21(26-19)25-13-5-3-6-14(10-13)29-2/h3-11H,1-2H3,(H,24,25,26)
InChI Key	VAARYSWULJUGST-UHFFFAOYSA-N
Canonical SMILES	CN1C2=NC(=NC=C2C=C(C1=O)C3=C(C=CC=C3Cl)Cl)NC4=CC(=CC=C4)SC
Form	Lyophilized powder
Purity	≥98%
Solubility	Warmed DMSO: 13 mg/mL (29.32 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	PD173955 targets Bcr-Abl, investigated for its efficacy in treating leukemia.
Storage	Store at -20ºC, and keep desiccated.

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