



## Product Information

### Bcr-Abl inhibitor PD173955, Purity ≥98%

**Cat. No.:** X24-06-ZQ497

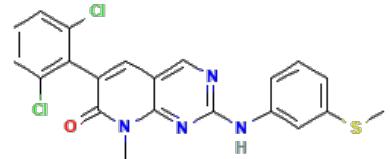
**Size:** 5 mg; 10 mg; 25 mg; 50 mg

**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

<b>Description</b>	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.
<b>Molecular Weight</b>	443.35
<b>Molecular Formula</b>	C <sub>21</sub> H <sub>16</sub> Cl <sub>2</sub> N <sub>4</sub> OS
<b>Targets</b>	Bcr-Abl: 1-2 nM; Src: 22 nM
<b>IUPAC Name</b>	6-(2,6-Dichlorophenyl)-8-methyl-2-(3-methylsulfanylanilino)pyrido[2,3-d]pyrimidin-7-one
<b>InChI</b>	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)
<b>InChI Key</b>	VAARYSWULJUGST-UHFFFAOYSA-N
<b>Canonical SMILES</b>	CN1C2=NC(=NC=C2C=C(C1=O)C3=C(C=CC=C3Cl)Cl)NC4=CC(=CC=C4)SC
<b>Form</b>	Lyophilized powder
<b>Purity</b>	≥98%
<b>Solubility</b>	Warmed DMSO: 13 mg/mL (29.32 mM); Water: Insoluble; Ethanol: Insoluble
<b>Identity</b>	Confirmed by NMR/HPLC/MS.
<b>Stability</b>	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
<b>Quality Level</b>	Research grade
<b>Applications</b>	PD173955 targets Bcr-Abl, investigated for its efficacy in treating leukemia.
<b>Storage</b>	Store at -20°C, and keep desiccated.