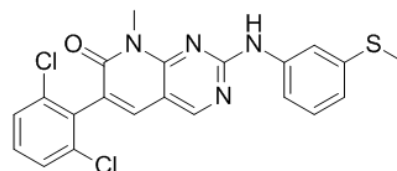


Product Name : PD173955
Cat. No. : PC-42561
CAS No. : 260415-63-2
Molecular Formula : C₂₁H₁₆Cl₂N₄OS
Molecular Weight : 443.3489
Target : Src
Solubility : DMSO: ≥ 32 mg/mL



Biological Activity

PD173955 is a potent, selective, ATP-competitive **Src family kinases** inhibitor with IC₅₀ of 22 nM for Src.

PD173955 equally inhibits Yes kinase in vitro, weakly inhibits α-FGFR and PDGFR (IC₅₀s=1.6 μM) and no activity against IR and PKC.

PD173955 inhibits the proliferation of MDA-MB-468 and MCF-7 breast cancer cells with IC₅₀ of 0.5 and 1 μM, respectively.

PD173955 also inhibits Bcr-Abl with IC₅₀ of 1-2 nM, c-kit autophosphorylation (IC₅₀=25 nM).

References

Moasser MM, et al. *Cancer Res.* 1999 Dec 15;59(24):6145-52.

Nagar B, et al. *Cancer Res.* 2002 Aug 1;62(15):4236-43.

Wisniewski D, et al. *Cancer Res.* 2002 Aug 1;62(15):4244-55.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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