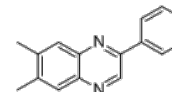


Product Name : AG-1295
Cat. No. : PC-61280
CAS No. : 71897-07-9
Molecular Formula : C₁₆H₁₄N₂
Molecular Weight : 234.3
Target : PDGFR
Solubility : 10 mM in DMSO



Biological Activity

AG-1295 (Tyrphostin AG1295) is a quinoxaline-type tyrophostin that acts as a potent and selective inhibitor of **PDGFR** kinase in vitro and in Swiss 3T3 cells with IC₅₀ of 0.3-1 uM.

AG-1295 inhibits PDGF-stimulated DNA synthesis with IC₅₀ of 2.5 uM without affecting activity of EGFR.

AG-1295 selectively attenuates smooth muscle cell growth in vitro and reduces neointimal formation after balloon angioplasty in swine.

References

- Kovalenko M, et al. *Cancer Res.* 1994 Dec 1;54(23):6106-14.
Banai S, et al. *Circulation.* 1998 May 19;97(19):1960-9.
Iwamoto H, et al. *J Lab Clin Med.* 2000 May;135(5):406-12.
Karck M, et al. *Transplantation.* 2002 Nov 15;74(9):1335-41.

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

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