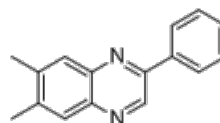


Product Name : AG-1295
Synonyms : NSC 380341; Tyrphostin AG 1295
Cat No. : M15750
CAS Number : 71897-07-9
Molecular Formula : C₁₆H₁₄N₂
Formula Weight : 234.30
Chemical Name : 6,7-dimethyl-2-phenyl-quinoxaline



Description : A quinoxaline-type tyrphostin 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; inhibits PDGF-stimulated DNA synthesis with IC₅₀ of 2.5 uM without affecting activity of EGFR; selectively attenuates smooth muscle cell growth in vitro and reduces neointimal formation after balloon angioplasty in swine. Blood Cancer Discontinued

Pathway : Angiogenesis

Target : PDGFR

Receptor : PDGFR

Solubility : —

SMILES : CC1=C(C)C=C2N=CC(C3=CC=CC=C3)=NC2=C1

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Kovalenko M, et al. Cancer Res. 1994 Dec 1;54(23):6106-14. | 2. Banai S, et al. Circulation. 1998 May 19;97(19):1960-9. | 3. Iwamoto H, et al. J Lab Clin Med. 2000 May;135(5):406-12. | 4. Karck M, et al. Transplantation. 2002 Nov 15;74(9):1335-41.