

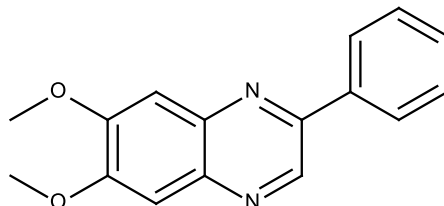
Catalog # 10-1087

AG-1296

CAS# 146535-11-7

6,7-Dimethoxy-3-phenylquinoxaline

Lot # X101222



Potent inhibitor of PDGF receptor kinase ($IC_{50} = 1 \mu M$), c-kit and FGF kinase. Induces apoptosis in H526, small-cell lung cancer cells.

- 1) Kovalenko *et al.* (1997), *Phosphorylation site-specific inhibition of platelet-derived growth factor beta-receptor autophosphorylation by the receptor blocking tyrophostin AG1296*; *Biochemistry*, **36** 6260
- 2) Krystal *et al.* (1997), *Induction of apoptosis and inhibition of small cell lung cancer growth by the quinoxaline tyrophostins*; *Cancer Res.*, **57** 2203
- 3) Strutz *et al.* (2001), *TGF-beta 1 induces proliferation in human renal fibroblasts via induction of basic fibroblast growth factor (FGF-2)*; *Kidney Int.*, **59** 579

PHYSICAL DATA

Molecular Weight: 266.30
Molecular Formula: $C_{16}H_{14}N_2O_2$
Purity: 98% by TLC
NMR: (Conforms)
Solubility: DMSO
Physical Description: Yellow solid
Storage and Stability: Store as supplied at $-20^{\circ}C$ for up to 1 year from the date of purchase. Solutions in DMSO may be stored at $-20^{\circ}C$ for up to 3 months.

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