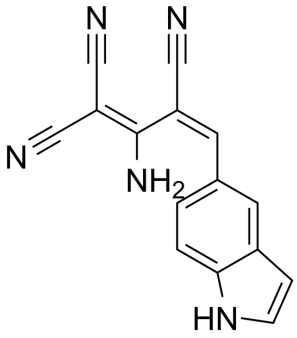
AG 370

Cat. No.:	HY-116111
CAS No.:	134036-53-6
Molecular Formula:	$C_{15}H_9N_5$
Molecular Weight:	259.27
Target:	PDGFR
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	AG 370, an indole tyrphostin, is a potent PDGF-induced mitogenesis inhibotor (IC_{50} of 20 μM). AG 370 displays weak inhibition of the EGF receptor[1].
IC_{50} & Target	PDGFR 20 μM (IC_{50})
In Vitro	AG 370 blocks mitogenesis induced by epidermal growth factor (IC_{50} of 50 μM) and human serum (IC_{50} of 50 μM)[1][1]. In Digitonin-permeabilized fibroblasts as well as in intact fibroblasts, tyrphostin AG 370 inhibits PDGF receptor autophosphorylation and the tyrosine phosphorylation of intracellular protein substrates (pp120, pp85, and pp75) which coprecipitate with the PDGF receptor[1][1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. M C Bryckaert, et al. Inhibition of platelet-derived growth factor-induced mitogenesis and tyrosine kinase activity in cultured bone marrow fibroblasts by tyrphostins. Exp Cell Res. 1992 Apr;199(2):255-61.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA