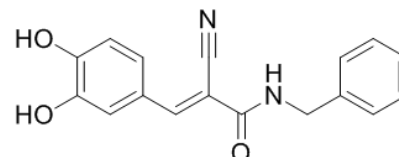


**Product Name** : AG490  
**Cat. No.** : PC-42818  
**CAS No.** : 133550-30-8  
**Molecular Formula** : C<sub>17</sub>H<sub>14</sub>N<sub>2</sub>O<sub>3</sub>  
**Molecular Weight** : 294.3047  
**Target** : EGFR  
**Solubility** : 10 mM in DMSO



### Biological Activity

AG490 (Tyrphostin AG 490) is a multi-targeted tyrphostin family of tyrosine kinase inhibitor, inhibits **EGF receptor** tyrosine kinase with IC<sub>50</sub> of 2 and 13.5  $\mu$ M for EGFR and ErbB2, also inhibits **JAK2**, JAK3/STAT, JAK3/AP-1 and JAK3/MAPK pathways. AG490 selectively blocks leukaemic cell growth in vitro and in vivo by inducing programmed cell death, blocks the constitutive activation of Stat3 and inhibits spontaneous as well as IL2-induced growth of MF tumor cells.

### References

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Meydan N, et al. **Nature**. 1996 Feb 15;379(6566):645-8.  
Wang LH, et al. **J Immunol**. 1999 Apr 1;162(7):3897-904.

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

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