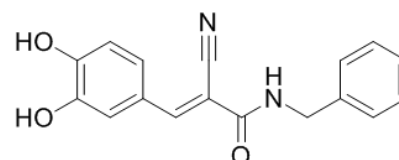


Product Name : AG-490
Cat. No. : PC-42818
CAS No. : 133550-30-8
Molecular Formula : C₁₇H₁₄N₂O₃
Molecular Weight : 294.3047
Target : JAK
Solubility : 10 mM in DMSO



Biological Activity

AG-490 (Tyrphostin AG 490) is a multi-targeted tyrphostin family of tyrosine kinase inhibitor, inhibits EGF receptor tyrosine kinase with IC₅₀ of 2 and 13.5 μM for EGFR and ErbB2, also inhibits JAK2, JAK3/STAT, JAK3/AP-1 and JAK3/MAPK pathways; 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.

Blood Cancer
Discontinued

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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