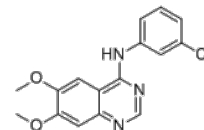


Product Name : AG1478
Cat. No. : PC-21841
CAS No. : 153436-53-4
Molecular Formula : C₁₆H₁₄ClN₃O₂
Molecular Weight : 315.76
Target : EGFR
Solubility : 10 mM in DMSO



Biological Activity

AG1478 (Tyrphostin AG-1478) is a potent, selective EGFR tyrosine kinase inhibitor with IC₅₀ of 3 nM. AG1478 inhibits cell growth, DNA synthesis, EGFR tyrosine kinase activity, and receptor autophosphorylation of U87MG cell populations which over-expressed either wt (U87MG.wtEGFR) or truncated EGFR (U87MG. delta EGFR). AG1478 preferentially inhibits glioblastoma cells with truncated EGFR compared with those with wild-type EGFR.

References

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Arteaga CL, et al. J Biol Chem. 1997 Sep 12;272(37):23247-54.
Han Y, et al. Cancer Res. 1996 Sep 1;56(17):3859-61.
Zanella CL, et al. Cancer Res. 1996 Dec 1;56(23):5334-8.

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

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