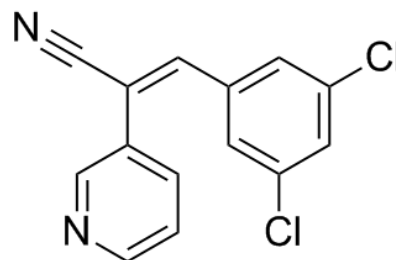


Product Name : RG14620
Cat. No. : PC-42383
CAS No. : 136831-49-7
Molecular Formula : C₁₄H₈Cl₂N₂
Molecular Weight : 275.13272
Target : EGFR
Solubility : DMSO: ≥ 26 mg/mL



Biological Activity

RG14620 is a potent **EGFR** inhibitor that inhibits EGFR autophosphorylation with IC₅₀ of 4 μM in cell-free assays. RG14620 dose-dependently inhibits human gastric cancer cells growth with IC₅₀ of 7 μM. RG14620 suppresses not only EGF-stimulated cancer cell proliferation in vitro but also tumor growth in nude mice. RG14620 selectively reverses ABCG2-mediated multidrug resistance in cancer cell lines.

References

- Yoneda T, et al. **Cancer Res.** 1991 Aug 15;51(16):4430-5.
Piontek M, et al. **Anticancer Res.** 1993 Nov-Dec;13(6A):2119-23.
Wu CP, et al. **Cancer Lett.** 2017 Nov 28;409:56-65.

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

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