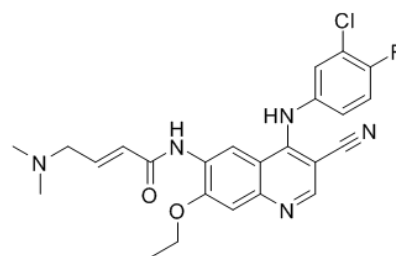


Product Name : Pelitinib
Cat. No. : PC-45812
CAS No. : 257933-82-7
Molecular Formula : C₂₄H₂₃ClFN₅O₂
Molecular Weight : 467.9231
Target : EGFR
Solubility : DMSO: 16 mg/mL



Biological Activity

A potent, selective, orally active, irreversible inhibitor of EGFR with IC₅₀ of 80 nM; inhibits autophosphorylation of the cytoplasmic domain of HER-2 with IC₅₀ of 1.23 μM; shows 1-3 orders of magnitude higher IC₅₀ value for Src, Cdk4, c-Met, Raf, and MEK/ERK; inhibits proliferation in NHEK, A431, and MDA-468 cells (IC₅₀= 61, 125, and 260 nM, respectively); potently inhibits the EGFR phosphorylation in A431 xenografts, suppresses tumorigenesis in APCMin/+ mice.

Lung Cancer

Phase 2 Clinical

References

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Nunes M, et al. Mol Cancer Ther. 2004 Jan;3(1):21-7.

Torrance CJ, et al. Nat Med. 2000 Sep;6(9):1024-8.

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

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