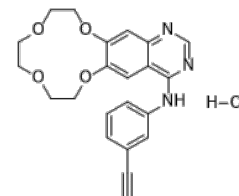


Product Name : Icotinib hydrochloride
Cat. No. : PC-22088
CAS No. : 1204313-51-8
Molecular Formula : C₂₂H₂₂ClN₃O₄
Molecular Weight : 427.89
Target : EGFR
Solubility : 10 mM in DMSO



Biological Activity

Icotinib hydrochloride (BPI-2009H) is a potent and specific EGFR inhibitor with IC₅₀ of 5 nM, also inhibits mutant EGFR L858R, EGFR L858R/T790M, EGFR T790M and EGFR L861Q.

Icotinib only shows meaningful inhibitory activity to EGFR and its mutants against a panel of 88 kinases.

Icotinib blocks EGFR-mediated intracellular tyrosine phosphorylation (IC₅₀)=45 nM) in the human epidermoid carcinoma A431 cell line and inhibits tumor cell proliferation.

Icotinib exhibits potent dose-dependent antitumor effects in nude mice carrying a variety of human tumor-derived xenografts.

References

Tan F, et al. Lung Cancer. 2012 May;76(2):177-82.

Yang G, et al. Oncol Rep. 2012 Jun;27(6):2066-72.

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

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