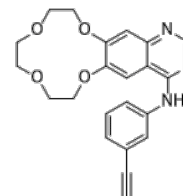


**Product Name** : Icotinib  
**Cat. No.** : PC-22087  
**CAS No.** : 610798-31-7  
**Molecular Formula** : C<sub>22</sub>H<sub>21</sub>N<sub>3</sub>O<sub>4</sub>  
**Molecular Weight** : 391.43  
**Target** : EGFR  
**Solubility** : 10 mM in DMSO



## Biological Activity

Icotinib (BPI-2009) is a potent and specific EGFR inhibitor with IC<sub>50</sub> 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 (IC<sub>50</sub>)=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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