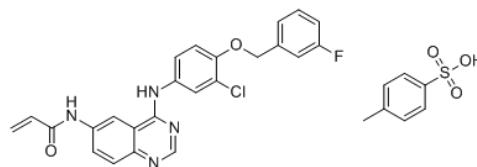


**Product Name** : Allitinib tosylate  
**Cat. No.** : PC-60011  
**CAS No.** : 1050500-29-2  
**Molecular Formula** : C<sub>31</sub>H<sub>26</sub>ClFN<sub>4</sub>O<sub>5</sub>S  
**Molecular Weight** : 621.08  
**Target** : EGFR  
**Solubility** : 10 mM in DMSO



## Biological Activity

Allitinib tosylate (AST-1306 tosylate) is a novel potent, selective irreversible **EGFR** and **HER2** inhibitor with IC<sub>50</sub> of 0.5 and 3 nM in cell-free assays; also inhibits ErbB4 (IC<sub>50</sub>=0.8 nM), displays >3,000-fold selectivity over other kinase families; exhibits strong antiproliferative effects on a panel of cancer cell lines, and potently suppresses tumor growth in vivo; orally available.

Solid Tumors  
Phase 1 Clinical

## References

- Xie H, et al. *PLoS One*. 2011;6(7):e21487.  
Zhang H, et al. *Cancer Lett*. 2014 Aug 1;350(1-2):61-8.  
Zhang J, et al. *J Hematol Oncol*. 2014 Mar 11;7:22.

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

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