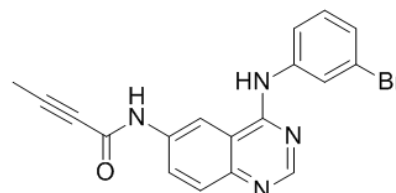


**Product Name** : CL-387785  
**Cat. No.** : PC-42524  
**CAS No.** : 194423-06-8  
**Molecular Formula** : C<sub>18</sub>H<sub>13</sub>BrN<sub>4</sub>O  
**Molecular Weight** : 381.226  
**Target** : EGFR  
**Solubility** : DMSO: 13.67 mg/mL



## Biological Activity

CL-387785 (EKI785, WAY-EKI785) is a specific, irreversible, covalent **EGFR** inhibitor with IC<sub>50</sub> of 0.37 nM.

CL-387785 blocks EGF-stimulated autophosphorylation of EGFR in A431 cells (IC<sub>50</sub>=5 nM).

CL-387785 inhibits cell proliferation (IC<sub>50</sub>= 31-125 nM) primarily in a cytostatic manner in cell lines that overexpress EGF-R or c-ErbB2, and profoundly blocks the growth of a tumor that overexpresses EGFR in nude mice; orally active.

## References

Discafani CM, et al. *Biochem Pharmacol*. 1999 Apr 15;57(8):917-25.

Kobayashi S, et al. *Cancer Res*. 2005 Aug 15;65(16):7096-101.

Kobayashi S, et al. *Cancer Res*. 2006 Dec 1;66(23):11389-98.

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

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