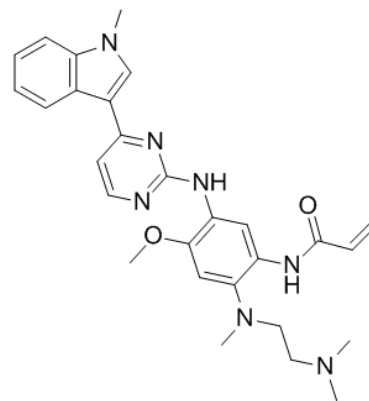


**Product Name** : AZD-9291  
**Cat. No.** : PC-44706  
**CAS No.** : 1421373-65-0  
**Molecular Formula** : C<sub>28</sub>H<sub>33</sub>N<sub>7</sub>O<sub>2</sub>  
**Molecular Weight** : 499.6073  
**Target** : EGFR  
**Solubility** : DMSO: ≥ 30 mg/mL



## Biological Activity

Osimertinib (AZD-9291) is a potent, selective, third-generation irreversible inhibitor of **mutant EGFR** with IC<sub>50</sub>s of 1/12/5 nM for L858R-T790M/L858R/L861Q respectively.

Osimertinib (AZD-9291) shows weak activity against wt EGFR (IC<sub>50</sub>=184 nM).

Osimertinib (AZD-9291) inhibits signaling pathways and cellular growth in both EGFRm(+) and EGFRm(+)/T790M(+) mutant cell lines in vitro.

Osimertinib (AZD-9291) exhibits tumor regression in EGFR-mutant tumor xenograft and transgenic models; orally active.

## References

Finlay MR, et al. *J Med Chem.* 2014 Oct 23;57(20):8249-67.

Cross DA, et al. *Cancer Discov.* 2014 Sep;4(9):1046-61.

Eberlein CA, et al. *Cancer Res.* 2015 Jun 15;75(12):2489-500.

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

E-mail: tech@probechem.com