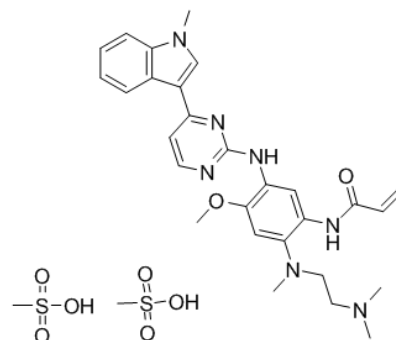


Product Name : AZD-9291 dimesylate
Cat. No. : PC-45997
CAS No. : 2070014-82-1
Molecular Formula : C₃₀H₄₁N₇O₈S₂
Molecular Weight : 691.8187
Target : EGFR
Solubility : DMSO: 0.4 mg/mL



Biological Activity

Osimertinib dimesylate (AZD-9291) is a potent, selective, third-generation irreversible inhibitor of **mutant EGFR** with IC₅₀s of 1/12/5 nM for L858R-T790M/L858R/L861Q respectively. Osimertinib shows weak activity against wt EGFR (IC₅₀=184 nM). Osimertinib inhibits signaling pathways and cellular growth in both EGFRm(+) and EGFRm(+)/T790M(+) mutant cell lines in vitro. Osimertinib 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!

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