Product Datasheet

Osimertinib mesylate

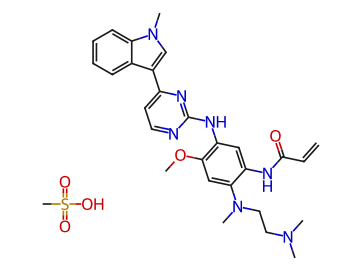
Catalog No. **BP-01886A** · CAS **1421373-66-1** · Form **salt · mesylate** · Physical state **other** · Color **White to yellow** · Version **1.0** · Revision **2026-11-04**

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Target	Research area
EGFR	**Cancer**

Molecular formula	**$C_{29}H_{37}N_7O_5S$**
Molecular weight	**595.7130**

STRUCTURE



DESCRIPTION

Osimertinib mesylate (AZD9291 mesylate) is a covalent, orally active, irreversible, and mutant-selective EGFR inhibitor with an apparent IC50 of 12 nM against L858R and 1 nM against L858R/T790M. Osimertinib overcomes T790M-mediated resistance to EGFR inhibitors in lung cancer[1].

SOLUBILITY

Soluble in DMSO

REFERENCES

[1]. Cross DA, et al. AZD9291, an irreversible EGFR TKI, overcomes T790M-mediated resistance to EGFR inhibitors in lung cancer. Cancer Discov. 2014 Sep;4(9):1046-61.

[2]. [2]Hirano T, et al. Pharmacological and Structural Characterizations of Naquotinib, a Novel Third-Generation EGFR Tyrosine Kinase Inhibitor, in EGFR-Mutated Non-Small Cell Lung Cancer. Mol Cancer Ther. 2018 Apr;17(4):740-750.