



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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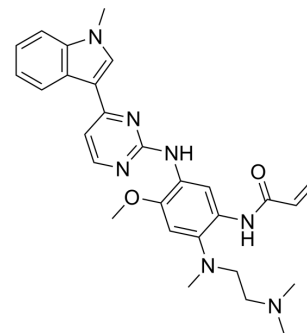
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## Osimertinib (Standard)

Cat. No.:	HY-15772R
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:	499.61
Target:	EGFR
Pathway:	JAK/STAT Signaling; Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Osimertinib (Standard) is the analytical standard of Osimertinib. This product is intended for research and analytical applications. Osimertinib (AZD9291) is a covalent, orally active, irreversible, and mutant-selective EGFR inhibitor with an apparent IC <sub>50</sub> of 12 nM against L858R and 1 nM against L858R/T790M, respectively. Osimertinib overcomes T790M-mediated resistance to EGFR inhibitors in lung cancer <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : 1 nM (EGFR <sup>L858R/T790M</sup> ), 12 nM (EGFR <sup>L858R</sup> ) <sup>[1]</sup>

### 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]. 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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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