

Product Datasheet

HS-10296

Catalog No. **BP-02147** · CAS **1899921-05-1** · Form **free base** · Physical state **other** · Color **Off-white to light yellow** · Version **1.0** · Revision **2026-09-03**

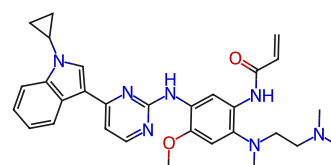
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Target EGFR	Research area Cancer
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Molecular formula **C₃₀H₃₅N₇O₂**

Molecular weight **525.6446**

STRUCTURE



DESCRIPTION

Almonertinib (HS-10296) is an orally available, irreversible, third-generation EGFR tyrosine kinase inhibitor with high selectivity for EGFR-sensitizing and T790M resistance mutations. Almonertinib shows great inhibitory activity against T790M, T790M/L858R and T790M/Del19 (IC₅₀: 0.37, 0.29 and 0.21 nM, respectively), and is less effective against wild type (3.39 nM). Almonertinib is used for the research of the non-small cell lung cancer.

BIOLOGICAL ACTIVITY

In Vitro

HS-10296 is an orally available inhibitor of the epidermal growth factor receptor (EGFR) mutant form T790M, with potential antineoplastic activity, which can be used to treat NSCLC[2]. Additionally, HS-10296 could also inhibit other EGFR sensitive mutations, including G719X, del19, L858R and L861Q.

SOLUBILITY

Soluble in DMSO

REFERENCES

- [1]. Yang JC, et al. Safety, Efficacy, and Pharmacokinetics of Almonertinib (HS-10296) in Pretreated Patients With EGFR-Mutated Advanced NSCLC: A Multicenter, Open-label, Phase 1 Trial [published online ahead of print, 2020 Sep 9]. J Thorac Oncol. 2020;S1556-0864(20)30714-0.
- [2]. Sullivan I, et al. Next-Generation EGFR Tyrosine Kinase Inhibitors for Treating EGFR-Mutant Lung Cancer beyond First Line. Front Med (Lausanne). 2017 Jan 18;3:76.
- [3]. Wu SG, et al. Management of acquired resistance to EGFR TKI-targeted therapy in advanced non-small cell lung cancer. Mol Cancer. 2018 Feb 19;17(1):38.

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