

Product Datasheet

HS-10296 hydrochloride

Catalog No. **BP-02147C** · CAS **2134096-03-8** · Form **salt · hydrochloride** · Physical state **solid** · Color **Off-white to yellow** · Version **1.0** · Revision **2026-09-04**

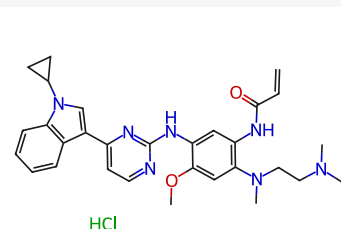
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Target EGFR	Research area Cancer
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Molecular formula **C₃₀H₃₆ClN₇O₂**

Molecular weight **562.1060**

STRUCTURE



DESCRIPTION

Almonertinib (HS-10296) hydrochloride is an orally available, irreversible, third-generation EGFR tyrosine kinase inhibitor with high selectivity for EGFR-sensitizing and T790M resistance mutations. Almonertinib hydrochloride shows great inhibitory activity against T790M, T790M/L858R and T790M/DeI19 (IC₅₀: 0.37, 0.29 and 0.21 nM, respectively), and is less effective against wild type (3.39 nM). Almonertinib hydrochloride is used for the research of the non-small cell lung cancer[1][2].

BIOLOGICAL ACTIVITY

In Vitro

Almonertinib (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, Almonertinib (HS-10296) could also inhibit other EGFR sensitive mutations, including G719X, del19, L858R and L861Q.

SOLUBILITY

soluble in DMSO/H₂O

REFERENCES

- [1]. 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.
- [2]. 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.
- [3]. 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;S1556-0

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