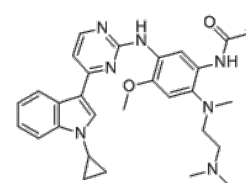


Product Name : Almonertinib
Cat. No. : PC-38342
CAS No. : 1899921-05-1
Molecular Formula : C₃₀H₃₅N₇O₂
Molecular Weight : 525.657
Target : EGFR
Solubility : 10 mM in DMSO



Biological Activity

Aumolertinib (HS-10296) is a novel, third-generation EGFR tyrosine kinase inhibitor (EGFR TKI) that targets both EGFR-sensitizing and T790M resistance mutations with IC₅₀ of 0.37 nM (T790M), 0.21 nM (del19/T790M), 0.29 nM (L858R/T790M), and 3.39 nM (EGFR WT).

In cell-based assays, almonertinib inhibits EGFR phosphorylation at IC₅₀ of 3.3 nM in HCC827 (EGFR del19) cell line, IC₅₀ of 4.1 nM in PC9 (EGFR del19) cell line, IC₅₀ of 3.3 nM in NCI-H1975 (EGFR L858R/T790M) cell line, but only IC₅₀ of 596.6 nM in A431 (EGFR WT) cell line.

References

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Wu CP, et al. Biochem Pharmacol. 2021 Jun;188:114516.
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Caution: Product has not been fully validated for medical applications. Lab Use Only!

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