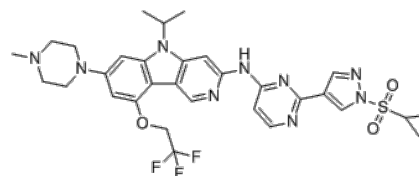


Product Name : CH7233163
Cat. No. : PC-38170
CAS No. : 2923365-71-1
Molecular Formula : C₃₁H₃₄F₃N₉O₃S
Molecular Weight : 669.728
Target : EGFR
Solubility : 10 mM in DMSO



Biological Activity

CH7233163 is a novel potent, selective mutant **EGFR-Del19/T790M/C797S** inhibitor with IC₅₀ of 0.28 nM in biochemical assays.

EAI-045, an allosteric EGFR inhibitor, didn't show inhibitory activity in this assay (IC₅₀>1 μM).

CH7233163 potently inhibited the proliferation of Del19/T790M/C797S_NIH3T3 cells with IC₅₀ of 20 nM, potently and dose dependently blocked the EGFR phosphorylation.

CH7233163 more selectively inhibits various types of EGFR mutants (e.g., L858R/T790M/C797S, L858R/T790M, Del19/T790M, Del19, and L858R) over wild type.

CH7233163 potently inhibited not only EGFR-Del19/T790M/C797S but also various EGFR mutations, including L858R/T790M/C797S triple mutations, double mutations and single-activating-mutations.

References

Kenji Kashima, et al. *Mol Cancer Ther.* 2020 Nov;19(11):2288-2297.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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