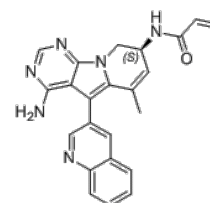


Product Name : TAS6417
Cat. No. : PC-63499
CAS No. : 1661854-97-2
Molecular Formula : C₂₃H₂₀N₆O
Molecular Weight : 396.454
Target : EGFR
Solubility :



Biological Activity

TAS6417 is a novel potent, selective inhibitor of **EGFR exon 20 insertion mutations** with IC₅₀ of 1.1-8.0 nM, >100-fold selectivity over WT EGFR; fits into the ATP-binding site of the EGFR hinge region; inhibits EGFR phosphorylation and downstream molecules in NSCLC cell lines expressing EGFR exon 20 insertions (IC₅₀=20-100 nM), resulting in caspase activation; inhibits the proliferation of Ba/F3 cells driven by various EGFR exon 20 insertion mutations with IC₅₀ of 5.05-150 nM; causes persistent tumor regression in vivo in EGFR exon 20 insertion-driven tumor models.

References

Hasako S, et al. *Mol Cancer Ther.* 2018 May 10. pii: molcanther.1206.2017.

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

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