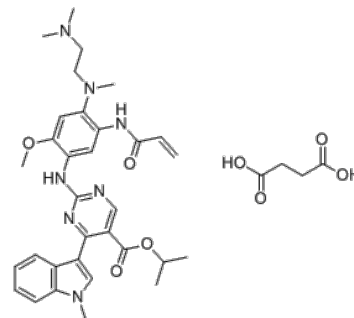


Product Name : Mobocertinib succinate
Cat. No. : PC-73154
CAS No. : 2389149-74-8
Molecular Formula : C₃₆H₄₅N₇O₈
Molecular Weight : 703.8
Target : EGFR
Solubility : 10 mM in DMSO



Biological Activity

Mobocertinib succinate (TAK-788) is a potent, mutant-selective, irreversible inhibitor of **EGFR ex20ins** mutations with IC₅₀ of 2.7 to 22.5 nM.

Mobocertinib (TAK-788) displays selectivity over WT EGFR (IC₅₀=34.5 nM).

Mobocertinib (TAK-788) inhibited all five variants of EGFR ex20ins mutations with IC₅₀ of 4.3 nM for NPG, 10.9 nM for ASV, 11.8 nM for A763_Y764insFQEA (FQEA), 18.1 nM for N771_H773dupNPH (NPH), and 22.5nM for S768_D770dupSVD.

Mobocertinib (TAK-788) inhibited viability of various EGFRex20ins-driven cell lines more potently (CUTO14 cell viability assay, IC₅₀=33 nM) than approved EGFR TKIs and demonstrated in vivo antitumor efficacy in patient-derived xenografts and murine orthotopic models.

References

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Zhang SS, et al. Lung Cancer (Auckl). 2021 Jul 12;12:61-65.

Gonzalvez F, et al. Cancer Discov. 2021 Jul;11(7):1672-1687.

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

E-mail: tech@probechem.com