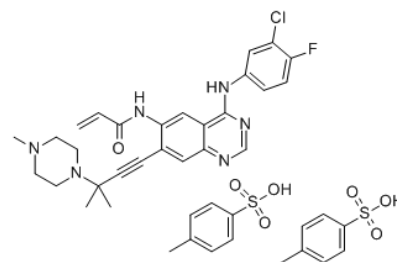


Product Name : AV-412
Cat. No. : PC-42545
CAS No. : 451493-31-5
Molecular Formula : C₄₁H₄₄ClFN₆O₇S₂
Molecular Weight : 851.4055
Target : EGFR
Solubility : DMSO: ≥ 28 mg/mL



Biological Activity

AV-412 (MP 412) is a potent dual inhibitor of **EGFR** and **ErbB2**, inhibits EGFR/EGFR L858R/EGFR T790M/EGFR L858R, T790M/ErbB2 with IC₅₀ of 1.5/0.5/0.8/2.3/19 nM respectively.

AV-412 also inhibits Abl (IC₅₀=41 nM), weakly inhibits Flt3 and Src.

AV-412 inhibits autophosphorylation of EGFR and ErbB2 with IC₅₀ of 43 and 282 nM.

AV-412 inhibits EGF-dependent cell proliferation with IC₅₀ of 100 nM; active in cancer xenograft models.

References

Suzuki T, et al. Cancer Sci. 2007 Dec;98(12):1977-84.

Suzuki T, et al. Cancer Sci. 2009 Aug;100(8):1526-31.

Zhou Y, et al. Nat Biotechnol. 2010 Jan;28(1):71-8.

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

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