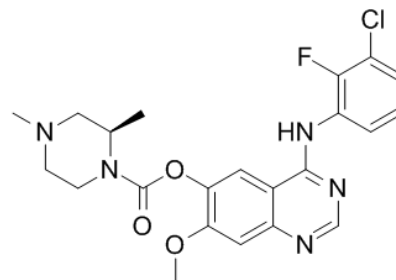


Product Name : AZD3759
Cat. No. : PC-45549
CAS No. : 1626387-80-1
Molecular Formula : C₂₂H₂₃ClFN₅O₃
Molecular Weight : 459.9011
Target : EGFR
Solubility : 10 mM in DMSO



Biological Activity

AZD3759 is a potent, orally active, BBB-penetrating **EGFR** inhibitor (IC₅₀=7.2 nM, L858R pEGFR). AZD3759 fully penetrates the blood-brain barrier (BBB), with equal free concentrations in the blood, cerebrospinal fluid, and brain tissue; causes tumor regression in subcutaneous xenograft, leptomeningeal metastasis (LM), and brain metastasis (BM) lung cancer models and prevents the development of BM in nude mice.

References

- Zeng Q, et al. *J Med Chem.* 2015 Oct 22;58(20):8200-15.
Yang Z, et al. *Sci Transl Med.* 2016 Dec 7;8(368):368ra172.
Tan CS, et al. *Lung Cancer.* 2016 Mar;93:59-68.

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

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