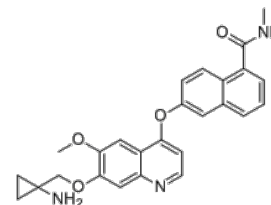


Product Name : AL3810
Cat. No. : PC-35892
CAS No. : 1058137-23-7
Molecular Formula : C₂₆H₂₅N₃O₄
Molecular Weight : 443.503
Target : VEGFR
Solubility : 10 mM in DMSO



Biological Activity

AL3810 (AL-3810, E-3810, Lucitanib) is a potent, orally bioavailable, multiple tyrosine kinases inhibitor, potently inhibits **VEGFR1/2/3** (IC₅₀=7-25 nM) and **FGFR1/2/3** (IC₅₀=17.5-235 nM), also inhibits **CSF1R** with IC₅₀ of 5 nM.

AL3810 (AL-3810, E-3810, Lucitanib) shows some activity against PDGFR α and PDGFR β with 20 times lower potency, no significant activity against FGFR4 (IC₅₀>1 μM).

AL3810 (AL-3810, E-3810, Lucitanib) causes dose-dependent inhibition of the ligand-dependent phosphorylation of VEGFR-2 and FGFR-1 in low nanomolar range in cellular assays, potently inhibits VEGF and bFGF-stimulated HUVEC proliferation with IC₅₀ of 40-50 nM.

AL3810 (AL-3810, E-3810, Lucitanib) inhibits the growth of different human tumor xenografts in vivo.

References

Zhou Y, et al. *J Cell Mol Med.* 2012 Oct;16(10):2321-30.

Bello E, et al. *Cancer Res.* 2011 Feb 15;71(4):1396-405. doi: 10.1158/0008-5472.CAN-10-2700.

Xie Q, et al. *Acta Pharmacol Sin.* 2017 Nov;38(11):1533-1542.

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

E-mail: tech@probechem.com