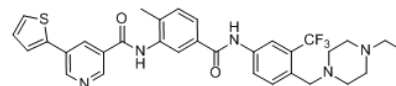


Product Name : ALW-II-41-27
Cat. No. : PC-45397
CAS No. : 1186206-79-0
Molecular Formula : C₃₂H₃₂F₃N₅O₂S
Molecular Weight : 607.689
Target : Ephrin Receptor
Solubility : DMSO: ≥ 47 mg/mL



Biological Activity

ALW-II-41-27 is an ATP-competitive **EPHA2 RTK** inhibitor with IC₅₀ of 11 nM.

ALW-II-41-27 reduces the number of viable NSCLC cells in a time-dependent and dose-dependent manner in vitro and induces tumor regression in human NSCLC xenografts in vivo.

ALW-II-41-27 decreases both survival and proliferation of erlotinib-resistant tumor cells and inhibits tumor growth in vivo.

ALW-II-41-27 also decreases viability of cells with acquired resistance to the third-generation EGFR TKI AZD9291.

References

Choi Y, et al. *Bioorg Med Chem Lett*. 2009 Aug 1;19(15):4467-70.

Amato KR, et al. *J Clin Invest*. 2014 May;124(5):2037-49.

Amato KR, et al. *Cancer Res*. 2016 Jan 15;76(2):305-18.

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

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