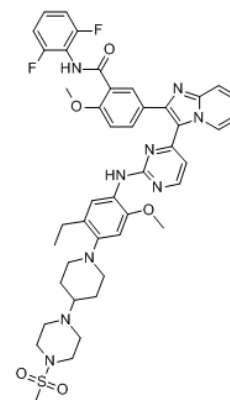


Product Name : GSK1904529A
Cat. No. : PC-42636
CAS No. : 1089283-49-7
Molecular Formula : C₄₄H₄₇F₂N₉O₅S
Molecular Weight : 851.9631
Target : IGF-1R
Solubility : 10 mM in DMSO



Biological Activity

GSK1904529A is a potent, selective, ATP-competitive inhibitor of **IGF-1R** and IR with IC₅₀ of 27 nM and 25 nM. GSK1904529A shows poor activity in a panel of 45 other serine/threonine and tyrosine kinases. GSK1904529A potently inhibits phosphorylation of IGF-1R (IC₅₀=22 nM) and IR (IC₅₀=19 nM). GSK1904529A decreases the growth of human tumor xenografts in mice; orally active.

References

- Sabbatini P, et al. *Clin Cancer Res.* 2009 May 1;15(9):3058-67.
Zhou Q, et al. *Mol Med Rep.* 2015 Sep;12(3):3381-5.
Fei HD, et al. *Oncotarget.* 2017 May 16.

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

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