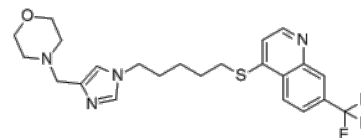


Product Name : GYS32661
Cat. No. : PC-20183
CAS No. : 2589092-11-3
Molecular Formula : C₂₃H₂₇F₃N₄OS
Molecular Weight : 464.55
Target : Small GTPase
Solubility : 10 mM in DMSO



Biological Activity

GYS32661 (GYS 32661) is a potent **Rac** inhibitor capable of inhibiting both Rac1 and Rac1b, inhibited activated Rac1 with IC₅₀ of 1.18 uM in in vitro pull-down assays.

GYS32661 showed significant inhibition of Rac1 and Rac1b activity at 5 µmol/L in HCT116 colorectal cancer cells.

GYS32661 (10 uM) significantly blocked Rac1b-mediated NF-κB activity, attenuated TNFα-stimulated NF-κB activity.

GYS32661 attenuated phosphorylation of both IKBα and RelA/p65, inhibited downstream activation of NF-κB signaling in colorectal cancer. GYS32661 sensitized colorectal cancer cells to chemotherapy (Oxaliplatin).

GYS32661 was shown to have higher activity against both recombinant Rac1 and recombinant Rac1b than EHT1864.

GYS32661 reduced the growth rates in xenograft models of human CRC in mice.

References

Erik T Goka, et al. *Mol Cancer Ther.* 2019 May;18(5):957-968.

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

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