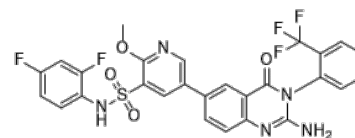


Product Name : GSK-F1
Cat. No. : PC-26709
CAS No. : 1402345-92-9
Molecular Formula : C₂₇H₁₈F₅N₅O₄S
Molecular Weight : 603.52
Target : PI4K
Solubility : 10 mM in DMSO



Biological Activity

GSK-F1 is a potent, selective phosphatidylinositol 4-kinase type III α (PI4KA) inhibitor with pIC₅₀ of 8.0, also directly binds to NSUN2 and promote its proteasomal degradation.

GSK-F1 shows selectivity over PI4KB, PI3KA, PI3KB, PI3KG and PI3KD.

GSK-F1 activates the downstream TP53/RAD51 signaling axis and increasing NPC cell cytotoxicity and radiosensitivity.

References

Bojjireddy N, et al. J Biol Chem. 2014 Feb 28;289(9):6120-32.

Lemei Zheng, et al. Int J Biol Sci. 2026 Mar 30;22(8):4043-4058.

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

E-mail: tech@probechem.com