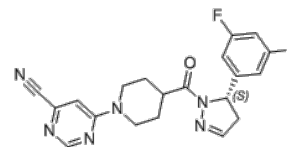


Product Name : GSK547
Cat. No. : PC-35793
CAS No. : 2226735-55-1
Molecular Formula : C₂₀H₁₈F₂N₆O
Molecular Weight : 396.402
Target : RIP kinase
Solubility : 10 mM in DMSO



Biological Activity

GSK547 (RIP1i, GSK'547) is a highly selective and potent inhibitor of **RIP1 kinase** that robustly targets RIP1 in vivo. GSK547 exhibited a 400-fold improvement in mouse pharmacokinetic oral exposure compared with GSK'963. GSK547 reprogrammed TAMs toward an MHCII^{hi}TNF α +IFN γ + immunogenic phenotype in a STAT1-dependent manner. RIP1 inhibition in TAMs resulted in cytotoxic T cell activation and T helper cell differentiation toward a mixed Th1/Th17 phenotype, leading to tumor immunity in mice and in organotypic models of human Pancreatic ductal adenocarcinoma (PDA).

References

Wang W, et al. *Cancer Cell*. 2018 Nov 12;34(5):757-774.e7.

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

E-mail: tech@probechem.com