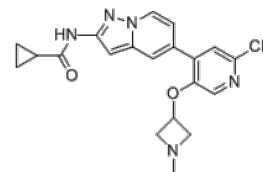


Product Name : JRD-SIK1/2i-4
Cat. No. : PC-21585
CAS No. : 2810810-00-3
Molecular Formula : C₂₁H₂₀N₆O₂
Molecular Weight : 388.43
Target : Salt Inducible Kinase (SIK)
Solubility : 10 mM in DMSO



CAS: 2810810-00-3

Biological Activity

JRD-SIK1/2i-4 is a potent, highly selective **SIK1/2** inhibitor, modulates innate immune activation and suppress intestinal inflammation.

JRD-SIK1/2i-4 inhibits key intracellular proximal signaling events including reducing phosphorylation of the SIK substrate cAMP response element binding protein (CREB) regulated transcription coactivator 3 (CRTC3).

JRD-SIK1/2i-4 inhibits inflammatory cytokine production in primary human macrophages stimulated with TLR7/8-agonist R848.

JRD-SIK1/2i-4 suppresses IL-2 production by activated primary T cells, ameliorates disease in a murine colitis model.

References

Babbe H, et al. *Proc Natl Acad Sci U S A*. 2024 Jan 2;121(1):e2307086120.

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

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