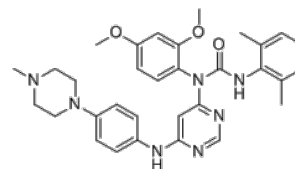


Product Name : HG-9-91-01
Cat. No. : PC-21590
CAS No. : 1456858-58-4
Molecular Formula : C₃₂H₃₇N₇O₃
Molecular Weight : 567.69
Target : Salt Inducible Kinase (SIK)
Solubility : 10 mM in DMSO



Biological Activity

HG-9-91-01 is a potent, highly selective salt-inducible kinase (SIK) inhibitor with IC₅₀ of 0.92 nM, 6.6 nM and 9.6 nM for SIK1, SIK2 and SIK3 respectively.

HG-9-91-01 promotes dephosphorylation of transcriptional co-activators CRTC2/3 resulting in enhanced gluconeogenic gene expression and glucose production in hepatocytes.

HG-9-91-01 significantly decreases proinflammatory cytokines (TNF- α , IL-6, IL-1 β , and IL-12p40) and increased IL-10 secretion by human myeloid cells stimulated with TLR2 and-4 agonists.

References

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Sundberg TB, et al. Proc Natl Acad Sci U S A. 2014 Aug 26;111(34):12468-73.

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

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