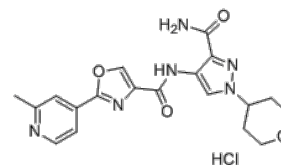


Product Name : AS2444697
Cat. No. : PC-60997
CAS No. : 1287665-60-4
Molecular Formula : C₁₉H₂₁ClN₆O₄
Molecular Weight : 432.865
Target : IRAK
Solubility : 10 mM in DMSO



Biological Activity

AS2444697 is a potent, selective, orally bioavailable **IRAK4** inhibitor (IC₅₀=21 nM), potently inhibits human and rat IRAK-4 activity with subnanomolar order, >30-fold selectivity over IRAK-1.

AS2444697 inhibited IL-1 β - or TLR ligand lipopolysaccharide (LPS)-induced IL-6 production in human lung alveolar epithelial cells, fibroblast-like synoviocytes, and peripheral blood mononuclear cells.

AS2444697 significantly reduces urinary protein excretion and prevented the development of glomerulosclerosis and interstitial fibrosis without affecting the blood pressure in mice model of chronic kidney disease.

References

Kondo M, et al. *Naunyn Schmiedebergs Arch Pharmacol.* 2014 Oct;387(10):909-19.

Imanishi J, et al. *Arthritis Rheum* 63:S390.

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

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