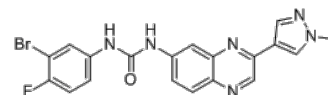


Product Name : IKAM-1
Cat. No. : PC-38626
CAS No. : 2345648-37-3
Molecular Formula : C₁₉H₁₄BrFN₆O
Molecular Weight : 441.26
Target : MEKK (MAP3K)
Solubility : 10 mM in DMSO



Biological Activity

IKAM-1 (Compound 39-100) is an orally bioavailable, small-molecule IKK β activation modulator (IKAM) that selectively targets **MAP3K1**, inhibits TNF- α -induced IKK β -mediated NF- κ B activation in A549 cells with IC₅₀ of 4.7 μ M.

IKAM-1 (Compound 39-100) selectively binds to MAP3K1 and MAP3K12, inhibits MAP3K1 with IC₅₀ of 4.2 μ M, does not inhibit IKK β but selectively inhibits MAP3K1 with micromolar potency in PANC1 cell lysates.

IKAM-1 (Compound 39-100) inhibits MAP3K1-mediated IKK β phosphorylation and reduced levels of p-IKK β in with an IC₅₀ value of 2.3 μ M, inhibits the growth of PC lines with lowmicromolar potencies.

IKAM-1 (Compound 39-100) reduces activated IKK β levels, inhibits tumor growth, and reduces metastasis in mice pancreatic tumor models.

References

Napoleon JV, et al. *Proc Natl Acad Sci U S A*. 2022 May 3;119(18):e2115071119.

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

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