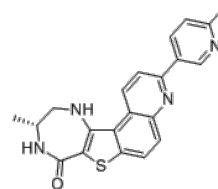


Product Name : PF-3644022
Cat. No. : PC-70143
CAS No. : 1276121-88-0
Molecular Formula : C₂₁H₁₈N₄OS
Molecular Weight : 374.46
Target : MAPKAPK2 (MK2)
Solubility : 100 mM in DMSO (37.4 mg/mL)



Biological Activity

PF-3644022 is a potent and selective, freely reversible, ATP-competitive inhibitor of **MAPKAP2 (MK2)** with K_i of 3 nM. PF-3644022 shows good selectivity against a panel of 200 human kinases. PF-3644022 potently inhibits TNF α production with similar activity (IC₅₀=160 nM) in U937 cells and hPBMCs, blocks TNF α and IL-6 production in LPS-stimulated human whole blood with IC₅₀ of 1.6 and 10.3 μ M, respectively. PF-3644022 is active in the rat LPS-induced TNF α model and orally efficacious.

References

Mourey RJ, et al. *J Pharmacol Exp Ther.* 2010 Jun;333(3):797-807.
Song H, et al. *Am J Transl Res.* 2015 Nov 15;7(11):2355-63.

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

E-mail: tech@probechem.com