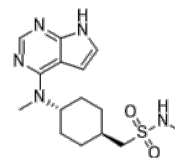


Product Name : Oclacitinib
Cat. No. : PC-22617
CAS No. : 1208319-26-9
Molecular Formula : C₁₅H₂₃N₅O₂S
Molecular Weight : 337.44
Target : JAK
Solubility : 10 mM in DMSO



Biological Activity

Oclacitinib (PF-03394197) is a potent **JAK** inhibitor with IC₅₀ of 10, 18, 99, and 84 nM for JAK1, JAK2, JAK3, and TYK2, respectively.

Oclacitinib (PF-03394197) does not significantly inhibit a panel of 38 other kinases when tested at 1 μM.

Oclacitinib (PF-03394197) inhibits IL-2, IL-4, IL-6, IL-13, and IL-31 with IC₅₀'s ranging from 36 to 249 nM, much less potent against erythropoietin and GM-CSF.

Oclacitinib (PF-03394197) inhibited JAK1-dependent cytokine receptor complexes involved in inflammation and pruritus, common clinical signs in canine allergic skin disease.

References

Fukuyama T, et al. *Eur J Pharmacol.* 2017 Jan 5;794:20-26.

Panteri A, et al. *Vet Dermatol.* 2016 Feb;27(1):22-e7.

Gonzales AJ, et al. *J Vet Pharmacol Ther.* 2014 Aug;37(4):317-24.

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

E-mail: tech@probechem.com