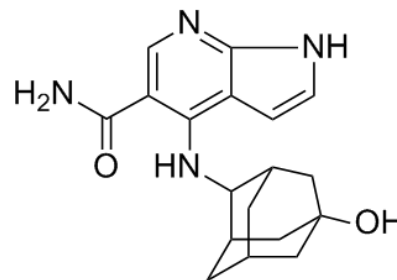


Product Name : Peficitinib
Cat. No. : PC-45652
CAS No. : 944118-01-8
Molecular Formula : C₁₈H₂₂N₄O₂
Molecular Weight : 326.3929
Target : JAK
Solubility : DMSO: ≥ 60 mg/mL



Biological Activity

Peficitinib (ASP-015K, JNJ-54781532) is a potent **JAK** inhibitor with IC₅₀s of 3.9 and 0.7 nM for JAK1 and JAK3 respectively. Peficitinib inhibits IL-2-dependent T cell proliferation in vitro and STAT5 phosphorylation in vitro and ex vivo. Peficitinib dose-dependently suppresses bone destruction and paw swelling in an adjuvant-induced arthritis model in rats; orally bioactive.

References

Oda K, et al. *Xenobiotica*. 2015;45(6):488-94.

Takeuchi T, et al. *Ann Rheum Dis*. 2016 Jun;75(6):1057-64.

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

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