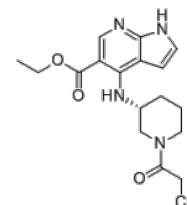


Product Name : Lepzacitinib
Cat. No. : PC-21734
CAS No. : 2321488-47-3
Molecular Formula : C₁₈H₂₁N₅O₃
Molecular Weight : 355.40
Target : JAK
Solubility : 10 mM in DMSO



CAS: 2321488-47-3

Biological Activity

Lepzacitinib (ATI-1777) is a potent, selective and ATP-competitive **JAK1/3** inhibitor with IC₅₀ of 1.5/3.6/7.1/19.0 nM for JAK1/JAK2/JAK3/TYK2, respectively.

ATI-1777 displays 32 to 833 fold selectivity for Jak1/3 over a panel of 214 human protein kinases.

ATI-1777 demonstrates inhibition of STAT phosphorylation in isolated PBMCs with IC₅₀ of 19 nM, 5-fold selectivity over Jak1/2 and approximately 42- to 47-fold selectivity over Jak2.

ATI-1777 application inhibits IL-15-induced CCL8 expression in pig skin by 83%, selectively inhibits Jak1/3 with limited systemic exposure and without any adverse effects.

References

Changelian P, et al. *JID Innov.* 2023 Nov 28;4(2):100251.

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

E-mail: tech@probechem.com