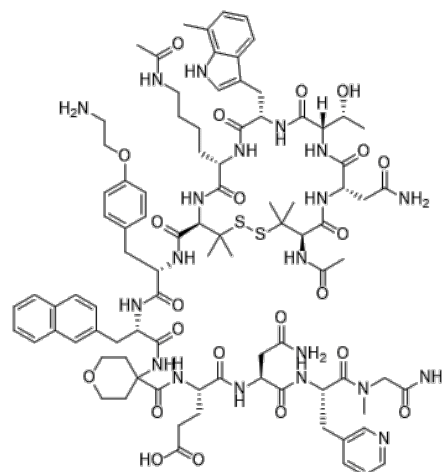


Product Name : Icotrokinra
Cat. No. : PC-24977
CAS No. : 2763602-16-8
Molecular Formula : C₉₀H₁₂₀N₂₀O₂₂S₂
Molecular Weight : 1898.17
Target : Interleukin Receptor
Solubility : 10 mM in DMSO



CAS: 2763602-16-8

Biological Activity

Icotrokinra (JNJ-77242113, PN-21235) is a highly potent, selective peptide antagonist targeting the **IL-23 receptor** with KD of 7.1 pM, potently and selectively inhibits proximal IL-23 signaling (IC₅₀=5.6 pM) without impacting IL-12 signaling. JNJ-77242113 inhibited IL-23-induced interferon (IFN) γ production in NK cells, and in blood from healthy donors and psoriasis patients with IC₅₀ of 18.4, 11 and 9 pM, respectively). JNJ-77242113 attenuated disease parameters at doses \geq 0.3 mg/kg/day in rat trinitrobenzene sulfonic acid-induced colitis model. JNJ-77242113 exhibits dose-dependent inhibition of ex vivo IL-23-stimulated IL-17A production in blood from rats. JNJ-77242113 inhibited IL-23-induced skin thickening and IL-17A, -17F and -22 gene induction in IL-23-induced rat skin inflammation model.

References

- Bissonnette R, et al. *N Engl J Med*. 2024 Feb 8;390(6):510-521.
Fourie AM, et al. *Sci Rep*. 2024 Jul 30;14(1):17515.

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

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