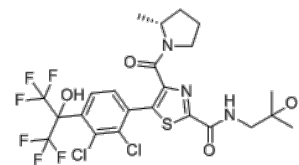


Product Name : JNJ-61803534
Cat. No. : PC-72400
CAS No. : 1917306-14-9
Molecular Formula : C₂₃H₂₃Cl₂F₆N₃O₄S
Molecular Weight : 622.404
Target : ROR
Solubility : 10 mM in DMSO



Biological Activity

JNJ-61803534 (JNJ 61803534) is a novel, selective and potent **ROR γ t** inverse agonist, inhibits ROR γ t-driven transcription with IC₅₀ of 9.6 nM in 1-hybrid reporter assays.

JNJ-61803534 demonstrated high selectivity for ROR γ t over ROR α and ROR β (IC₅₀>2 μ M), as well as against 18 human nuclear receptors and a panel of 52 receptors, ion channels and transporters, 28 GPCRs.

JNJ-61803534 dose-dependently suppressed production of IL-17A, IL-17F and IL-22 with IC₅₀ values of 19nM, 22 nM and 27 nM, respectively, in human CD4⁺ T cells under Th17 differentiation, does not impair human nTreg suppressive function.

JNJ-61803534 specifically blocked ROR γ t-dependent pathways in cellular assays and significantly reduced inflammation in preclinical models.

References

Xiaohua Xue, et al. *Sci Rep.* 2021 May 26;11(1):11066.

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

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