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# Data Sheet

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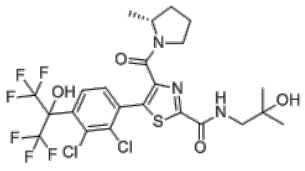
| **Product Name** | : | JNJ-61803534 |
| **Cat. No.** | : | PC-72400 |
| **CAS No.** | : | 1917306-14-9 |
| **Molecular Formula** | : | $C_{23}H_{23}Cl_2F_6N_3O_4S$ |
| **Molecular Weight** | : | 622.404 |
| **Target** | : | ROR |
| **Solubility** | : | 10 mM in DMSO |



## Biological Activity

JNJ-61803534 (JNJ 61803534) is a novel, selective and potent **RORγt** inverse agonist, inhibits RORγt-driven transcription with IC50 of 9.6 nM in 1-hybrid reporter assays.
JNJ-61803534 demonstrated high selectivity for RORγt over RORα and RORβ (IC50>2 uM), 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 RORγt-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.



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