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Data Sheet

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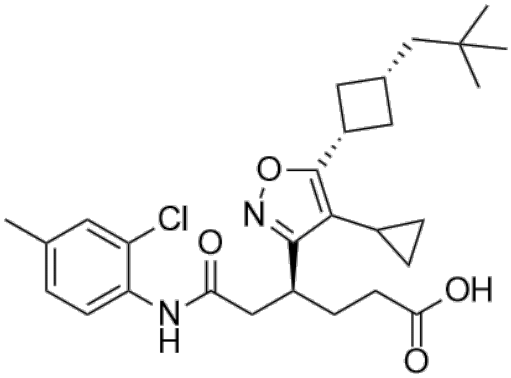
Product Name : JTE-151
Cat. No. : PC-20043
CAS No. : 1404380-58-0
Molecular Formula : $C_{28}H_{37}ClN_2O_4$
Molecular Weight : 501.06
Target : ROR
Solubility : 10 mM in DMSO



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Biological Activity

JTE-151 (JTE151) is a potent, selective **RORγ antagonist** with EC50 of 13 nM in RORγ luciferase assays.
JTE-151 demonstrated >100-fold selectivity toward RORγ against 12 nuclear receptors (mGR, hAR, hERα, hPR, hVDR, hFXR, mLXRα, hPPARα, hPPARδ, hPPARγ, hRARα, hRXRα)。
JTE-151 at 3 and 10 mg/kg suppressed IL-17 levels in both lymph node and plasma in mice with the myelin oligodendrocyte glycoprotein (MOG35–55)-induced EAE。
JTE-151 suppressed the Th17 cell differentiation in mouse EAE model.

References

Masayuki Kotoku, et al. ***J Med Chem.*** 2019 Mar 14;62(5):2837-2842.

Nadim S Shaikh, et al. ***Bioorg Med Chem Lett.*** 2019 Aug 15;29(16):2208-2217.

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

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