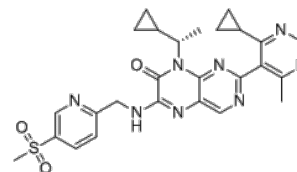


Product Name : BI 730357
Cat. No. : PC-20041
CAS No. : 1817773-66-2
Molecular Formula : C₂₆H₂₈N₈O₃S
Molecular Weight : 532.62
Target : ROR
Solubility : 10 mM in DMSO



Biological Activity

BI 730357 (Bevurogant, BI-730357) is a potent selective ROR γ antagonist with IC₅₀ of 150 nM in reporter gene assays (RGA), inhibits the secretion of IL-17A of PBMCs with IC₅₀ of 24 nM.

BI 730357 showed potent IL-17 inhibition in the human whole blood setting (IC₅₀=140 nM), inhibited human ROR γ -mediated IL-22 production (IC₅₀=43 nM) in human PBMCs.

BI 730357 shows no off-target activity in the typical screening panels of receptors and kinases.

BI 730357 (0.3, 3, and 30 mg/kg, oral) demonstrated significant inhibition of IL-17A mRNA in in vivo murine IL-23 minicircle model, and inhibition of the disease-relevant biomarkers S100a8, S100a9, and β -defensin in the skin (ED₅₀ < 0.3 mg/kg).

References

Harcken C, et al. ACS Med Chem Lett. 2021 Jan 5;12(1):143-154.

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

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