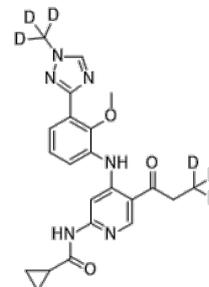


Product Name : ESK-001
Cat. No. : PC-25062
CAS No. : 2417135-66-9
Molecular Formula : C₂₂H₁₈D₆N₆O₃
Molecular Weight : 426.51
Target : JAK
Solubility : 10 mM in DMSO



CAS: 2417135-66-9

Biological Activity

ESK-001 (Envudeucitinib) is a novel allosteric, highly selective allosteric inhibitor of tyrosine kinase 2 (**TYK2**) with IC₅₀ of 104-149 nM in human whole blood, binds to JH2 domain of TYK2.

ESK-001 (Envudeucitinib) has no off-target effects on other kinases (IC₅₀ of >30,000 nM for JAK1-3).

ESK-001 (Envudeucitinib) significantly inhibited STAT phosphorylation and downstream IFN γ production stimulated by IL-12, IL-23, and IFN α in human whole blood and peripheral blood mononuclear cells in a concentration-dependent manner.

References

Ucpinar S, et al. *Clin Transl Sci.* 2024 Dec;17(12):e70094.

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

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