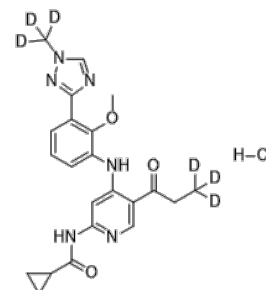


Product Name : ESK-001 hydrochloride
Cat. No. : PC-25063
CAS No. : 3009133-87-0
Molecular Formula : C₂₂H₁₉D₆ClN₆O₃
Molecular Weight : 462.97
Target : JAK
Solubility : 10 mM in DMSO



CAS: 3009133-87-0

Biological Activity

Envudeucitinib hydrochloride (ESK-001 hydrochloride) 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!

E-mail: tech@probechem.com