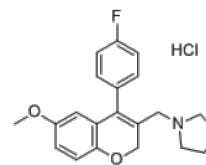


Product Name : AX-024 hydrochloride
Cat. No. : PC-60401
CAS No. : 1704801-24-0
Molecular Formula : C₂₁H₂₃ClFNO₂
Molecular Weight : 375.868
Target : T Cell Receptor (TCR)
Solubility : 10 mM in DMSO



Biological Activity

AX-024 hydrochloride is a potent, orally available inhibitor of **TCR-Nck interaction** that selectively inhibits TCR-triggered T cell activation with IC₅₀ of 1 nM.

AX-024 hydrochloride inhibits phosphorylation of ZAP70 at Tyr319 and of CD3ζ at Tyr142.

AX-024 hydrochloride inhibits TCR triggering-induced gene expression (1093 genes), including genes that are relevant for inflammatory T cell responses (cytokines IL-17A, IL-2, IL-6R and IL-18R1).

AX-024 hydrochloride attenuates the severity of skin inflammation in a psoriasis model as well as of lung inflammation in an asthma model.

References

Borroto A, et al. *Sci Transl Med*. 2016 Dec 21;8(370):370ra184.

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

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