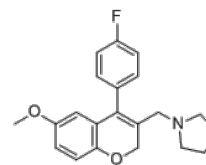


Product Name : AX-024
Cat. No. : PC-60400
CAS No. : 1370544-73-2
Molecular Formula : C₂₁H₂₂FNO₂
Molecular Weight : 339.41
Target : T Cell Receptor (TCR)
Solubility : 10 mM in DMSO



Biological Activity

AX-024 (AX024) is a first-in-class, specific inhibitor of T cell receptor (**TCR**), specifically inhibits TCR-Nck (SH3.1) interaction and TCR-dependent T cell activation (IC₅₀=1 nM).

AX-024 does not inhibit BCR-triggered B cell proliferation mediated by the SH2 domain of Nck.

AX-024 inhibits the recruitment of endogenous Nck to CD3ε, and therefore to the TCR.

Oral administration of AX-024 prevents the development of neurological symptoms in a model of multiple sclerosis (MS).

AX-024 exerts a long-lasting therapeutic effect in the EAE model of MS.

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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