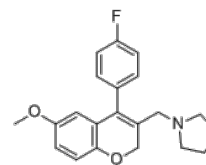


**Product Name** : AX-024  
**Cat. No.** : PC-60400  
**CAS No.** : 1370544-73-2  
**Molecular Formula** : C<sub>21</sub>H<sub>22</sub>FNO<sub>2</sub>  
**Molecular Weight** : 339.41  
**Target** : T Cell Receptor (TCR)  
**Solubility** :



## 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 (IC<sub>50</sub>=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!**

E-mail: tech@probechem.com