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Product Datasheet

AX-024, CAS [[1704801-24-0]] FBM-10-4895

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| Artikelname | AX-024, CAS [[1704801-24-0]] |
| Artikelnummer | FBM-10-4895 |
| Hersteller Artikelnummer | 10-4895 |
| Alternativnummer | FBM-10-4895-5MG,FBM-10-4895-25MG |
| Hersteller | Focus Biomolecules |
| Kategorie | Biochemikalien |
| Produktbeschreibung | T cell antigen receptor (TCR)-dependent T cell activation inhibitor... |
| Molekulargewicht | 375.86 |
| Reinheit | 98% by HPLC NMR (Conforms) |
| Formulierung | White solid |
| CAS Nummer | [1704801-24-0] |
| Formel | C ₂₁ H ₂₂ FNO ₂ HCl |

Anwendungsbeschreibung

AX-024 is a potent (IC₅₀ ~ 1 nM) and specific inhibitor of T cell antigen receptor (TCR)-dependent T cell activation. It inhibited neither B cell proliferation triggered by B cell antigen receptor (BCR), TLR4, CD40 agonists nor IL-2-dependent proliferation of T lymphoblasts. AX-024 binds to the SH3.1 domain of the adaptor protein Nck blocking its interaction with the CD3 subunit on the T cell antigen receptor. AX-024 displayed protective effects in mouse models of psoriasis, allergic asthma, and multiple sclerosis. Importantly, the therapeutic effect of AX-024 persisted after removal of the drug in contrast to fingolimod suggesting a persistent modification of autoimmune T cells. Currently in clinical trials.