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Product Datasheet

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

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 ($IC_{50} \sim 1 \text{ nM}$) 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.
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