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## Product Datasheet

### **AX-024** **FBM-10-4895**

Artikelname	AX-024
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 <sub>21</sub> H <sub>22</sub> FNO <sub>2</sub> HCl

Anwendungsbeschreibung	<p>AX-024 is a potent (IC<sub>50</sub> ~ 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.</p>
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