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Product Datasheet

SP100030, CAS [[154563-54-9]] FBM-10-3996

Artikelname	SP100030, CAS [[154563-54-9]]
Artikelnummer	FBM-10-3996
Hersteller Artikelnummer	10-3996
Alternativnummer	FBM-10-3996-5MG,FBM-10-3996-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Dual NF-kB / AP-1 inhibitor...
Molekulargewicht	437.65
Reinheit	>98% by HPLC, NMR (conforms)
Formulierung	Off-white solid
CAS Nummer	[154563-54-9]
Formel	C ₁₄ H ₅ ClF ₉ N ₃ O

Anwendungsbeschreibung	SP100030 is a potent dual inhibitor of NF-κB- and AP-1-mediated gene expression (IC₅₀s = 50 nM for both in transfected Jurkat T-cells).¹ It was able to specifically block IL-2 and IL-8 in Jurkat T-cells (IC₅₀s = 30 nM for both).¹ SP100030 treatment significantly decreased arthritis severity in DBA/1J mice.² It selectively inhibited CD8(+) T-cells and mRNA expression of TH1 and Th2 cytokines in a rat model of asthma but did not inhibit allergen-induced eosinophilia and bronchial hyperresponsiveness.³ SP100030 ameliorated muscle wasting in a cancer cachexia rat model.⁴ SP100030 suppression of T cell activation has been attributed to targeting of XPO1 (with minimal impact on nuclear export and cell viability).⁵
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