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## Product Datasheet

**SP100030, CAS [[154563-54-9]]**

**FBM-10-3996**

Article Name	SP100030, CAS [[154563-54-9]]
Biozol Catalog Number	FBM-10-3996
Supplier Catalog Number	10-3996
Alternative Catalog Number	FBM-10-3996-5MG,FBM-10-3996-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Dual NF-kB / AP-1 inhibitor...
Molecular Weight	437.65
Purity	>98% by HPLC, NMR (conforms)
Form	Off-white solid
CAS Number	[154563-54-9]
Formula	C <sub>14</sub> H <sub>5</sub> ClF <sub>9</sub> N <sub>3</sub> O
Application Notes	<p>SP100030 is a potent dual inhibitor of NF-kB- and AP-1-mediated gene expression (IC<sub>50</sub>s = 50 nM for both in transfected Jurkat T-cells).<sup>1</sup> It was able to specifically block IL-2 and IL-8 in Jurkat T-cells (IC<sub>50</sub>s = 30 nM for both).<sup>1</sup> SP100030 treatment significantly decreased arthritis severity in DBA/1J mice.<sup>2</sup> 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.<sup>3</sup> SP100030 ameliorated muscle wasting in a cancer cachexia rat model.<sup>4</sup> SP100030 suppression of T cell activation has been attributed to targeting of XPO1 (with minimal impact on nuclear export and cell viability).<sup>5</sup></p>