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Product Datasheet

Citreoviridin, CAS [[25425-12-1]] FBM-10-2065

Article Name	Citreoviridin, CAS [[25425-12-1]]
Biozol Catalog Number	FBM-10-2065
Supplier Catalog Number	10-2065
Alternative Catalog Number	FBM-10-2065-1MG,FBM-10-2065-5MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Mitochondrial and ectopic ATPase inhibitor...
Molecular Weight	420.49
Purity	>98% by HPLC NMR (Conforms)
Form	Yellow solid
CAS Number	[25425-12-1]
Formula	C ₂₃ H ₃₀ O ₆
Application Notes	Citreoviridin is a mycotoxin produced by <i>Penicillium</i> and <i>Aspergillus</i> species. ¹ It is an inhibitor of both the mitochondrial (K _i = 4.5 μM) ² and ectopic ATPase ³ and selectively suppresses the growth and proliferation of lung cancer cells without affecting normal cells ³ . It induces liver fibrosis in mice ⁴ and induces autophagy-dependent apoptosis through the lysosomal-mitochondria axis in human liver cells ⁵ . Low concentrations of citreoviridin prevent both calcium deposition in vascular smooth muscle cells and osteoclast activation in vitro. ⁶