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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 <sub>23</sub> H <sub>30</sub> O <sub>6</sub>
Application Notes	Citreoviridin is a mycotoxin produced by <i>Penicillium</i> and <i>Aspergillus</i> species. <sup>1</sup> It is an inhibitor of both the mitochondrial (K <sub>i</sub> = 4.5 μM) <sup>2</sup> and ectopic ATPase <sup>3</sup> and selectively suppresses the growth and proliferation of lung cancer cells without affecting normal cells <sup>3</sup> . It induces liver fibrosis in mice <sup>4</sup> and induces autophagy-dependent apoptosis through the lysosomal-mitochondria axis in human liver cells <sup>5</sup> . Low concentrations of citreoviridin prevent both calcium deposition in vascular smooth muscle cells and osteoclast activation in vitro. <sup>6</sup>