

Product Name:	Citreoviridin
Product Number:	C176
CAS Number:	25425-12-1
Molecular Formula:	$C_{23}H_{30}O_6$
Molecular Weight:	412.0
Appearance:	Yellow powder
Storage Conditions:	-20°C
Description:	<p>Citreoviridin is the dominant analogue of a family of tetraene mycotoxins with potent neurotoxic effects, produced by several species of <i>Aspergillus</i> and <i>Penicillium</i>. Citreoviridin inhibits mitochondrial ATPase and is a causative agent of cardiac beriberi.</p> <p>Citreoviridin is soluble in ethanol, methanol, DMF and DMSO.</p>
Mechanism of Action:	<p>Citreoviridin inhibits mitochondrial ATPase and is a causative agent of cardiac beriberi.</p>
References:	<p>Citreoviridins from <i>Aspergillus terreus</i>. Franck B. & Gehrken H-P. <i>Angew. Chem. Int. Ed. Engl.</i> 1980, 19, 461.</p> <p>Isolation of citreoviridin from <i>Penicillium charlesii</i> cultures and molded pecan fragments. Cole R. J. et al. <i>Appl. Environ. Microbiol.</i> 1981, 42, 677.</p> <p>Citreoviridin, a specific inhibitor of the mitochondrial adenosine triphosphatase. Linnett P. E. et al. <i>Biochem. J.</i> 1978, 170, 503.</p> <p>Interaction of <i>Escherichia coli</i> adenosine triphosphatase with aurovertin and citreoviridin: inhibition and fluorescence studies. Satre M. et al. <i>J. Bacteriol.</i> 1980, 142, 768.</p> <p>Binding of citreoviridin to the beta subunit of the yeast F1-ATPase. Gause E. M. et al. <i>J. Biol. Chem.</i> 1981, 256, 557.</p>