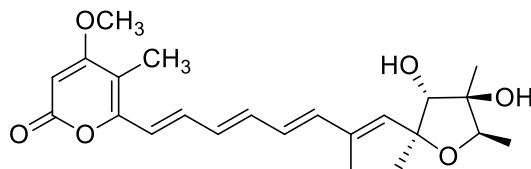


## Citreoviridin

Code No.: **BIA-C1241**

Pack sizes: **1 mg, 5 mg**



Synonyms : Citreoviridin A

### Specifications

CAS #	: 25425-12-1
Molecular Formula	: C <sub>23</sub> H <sub>30</sub> O <sub>6</sub>
Molecular Weight	: 402.5
Source	: <i>Penicillium</i> sp.
Appearance	: Yellow powder
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.

### Application Notes

Citreoviridin is the dominant analogue of a family of tetraene mycotoxins with potent neurotoxic effects, produced by several species of *Aspergillus* and *Penicillium*. Citreoviridin inhibits mitochondrial ATPase and is a causative agent of cardiac beriberi.

### References

1. Citreoviridins from *Aspergillus terreus*. Franck B. & Gehrken H-P. *Angew. Chem. Int. Ed. Engl.* 1980, 19, 461.
2. Isolation of citreoviridin from *Penicillium charlesii* cultures and molded pecan fragments. Cole R. J. et al., *Appl. Environ. Microbiol.* 1981, 42, 677.
3. Citreoviridin, a specific inhibitor of the mitochondrial adenosine triphosphatase. Linnett P. E. et al., *Biochem. J.* 1978, 170, 503.
4. Interaction of *Escherichia coli* adenosine triphosphatase with aurovertin and citreoviridin: inhibition and fluorescence studies. Satre M. et al., *J. Bacteriol.* 1980, 142, 768.
5. Binding of citreoviridin to the beta subunit of the yeast F1-ATPase. Gause E. M. et al., *J. Biol. Chem.* 1981, 256, 557.