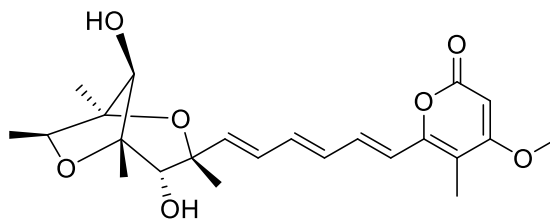


Citreoviridinol

Code No.: **BIA-C2964**

Pack sizes: **0.5 mg, 2.5 mg**



Synonyms :

Specifications

CAS #	: 79503-62-1
Molecular Formula	: $C_{23}H_{30}O_7$
Molecular Weight	: 418.5
Source	: <i>Penicillium</i> sp.
Appearance	: Yellow residue
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Citreoviridinol is a pyrone isolated from *Penicillium citreoviride*. Biogenetically, citreoviridinol may be produced via epoxidation of the tri-substituted double bond of the conjugated system of citreoviridin, followed by ring-opening of the resulting epoxide and etherification. There have been no reports of the biological activity of citreoviridinol, however the parent citreoviridin is a mycotoxin with potent neurotoxic effects which inhibits mitochondrial ATPase and is a causative agent of cardiac beriberi.

References

1. Two new pyrones, metabolites of *Penicillium citreoviride* biourge. Niwa M. et al. Chem Lett. 1981, 1285.
2. Citreoviridin, a specific inhibitor of the mitochondrial adenosine triphosphatase. Linnett P.E. et al. Biochem J. 1978, 170, 503.