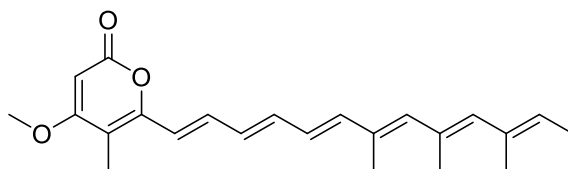


## Citreomontanin

Code No.: **BIA-C2842**

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



Synonyms : Citreomontanine

### Specifications

CAS #	: 74474-66-1
Molecular Formula	: C <sub>23</sub> H <sub>28</sub> O <sub>3</sub>
Molecular Weight	: 352.5
Source	: <i>Aspergillus</i> sp.
Appearance	: Red solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

### Application Notes

Citreomontanin is an orange polyene 2-pyrone mycotoxin first isolated from *Penicillium pedemontanum* by researchers from Muséum nationale d'Histoire naturelle, France in 1980. Citreomontanin is the putative biosynthetic precursor of citreoviridin, a mycotoxin with potent neurotoxic effects which inhibits mitochondrial ATPase and is a causative agent of cardiac beriberi. The inherent biological activity of citreomontanin has not been widely investigated.

### References

1. La citréomontanine, nouvelle  $\alpha$ -pyrone polyéthylénique isolée de *Penicillium pedemontanum*. Rebuffat S. et al. *Phytochem.* 1980, 19, 427.
2. Biosynthetic pathway of the reduced polyketide product citreoviridin in *Aspergillus terreus* var. *aureus* revealed by heterologous expression in *Aspergillus nidulans*. Lin T-Z. et al. *Org Lett.* 2016, 18, 1366.
3. Citreoviridin, a specific inhibitor of the mitochondrial adenosine triphosphatase. Linnett P.E. et al. *Biochem J.* 1978, 170, 503.