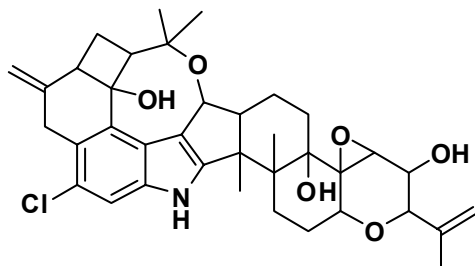


Penitrem A

Code: **BIA-P1272**

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



Synonyms : **Tremortin A**

Specifications

CAS # : **12627-35-9**
Molecular Formula : **C₃₇H₄₄ClNO₆**
Molecular Weight : **634.2**
Source : ***Penicillium palitans***
Appearance : **White solid**
Purity : **> 99% by HPLC**
Storage : **-20°C**
Solubility : **Soluble in ethanol, methanol, DMF or DMSO. Very poor water solubility.**

Application Notes

Penitrem A is a tremorgenic mycotoxin isolated from *Penicillium* species. Penitrem A acts as a selective blocker of high-conductance Ca²⁺-activated potassium channels.

References

1. Tremorgenic toxin from *Penicillium cyclopium* grown on food materials. Wilson B. J. 1968, 220, 77.
2. Tremorgenic indole alkaloids potently inhibit smooth muscle high-conductance calcium-activated potassium channels. Knaus H. G. et al. Biochemistry 1994, 33, 5819.