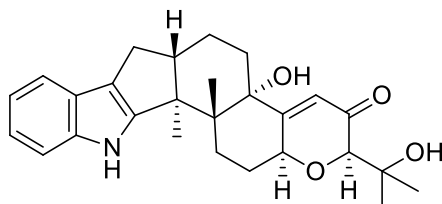


Paxilline

Code No.: **BIA-P1271**

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



Synonyms :

Specifications

CAS #	: 57186-25-1
Molecular Formula	: C₂₇H₃₃NO₄
Molecular Weight	: 435.6
Source	: <i>Penicillium paxilli</i>
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

Application Notes

Paxilline is a tremorgenic mycotoxin isolated from species of *Penicillium*, *Acremonium* and *Emericella*. Paxilline selectively blocks high-conductance Ca²⁺-activated potassium channels and inhibits binding to the cerebellar inositol 1,4,5-triphosphate (InsP(3)) receptor.

References

1. A new tremorgenic metabolite from *Penicillium paxilli*. Cole R. J. et al., *Can. J. Microbiol.* 1974, 20, 1159.
2. Characterization of high affinity binding sites for charybdotoxin in synaptic plasma membranes from rat brain. Evidence for a direct association with an inactivating, voltage-dependent, potassium channel. Vazquez J. et al., *J. Biol. Chem.* 1990, 265, 1556.
3. Paxilline inhibition of the alpha-subunit of the high-conductance calcium-activated potassium channel. Sanchez M. & McManus O. B. *Neuropharmacology* 1996, 35, 963.