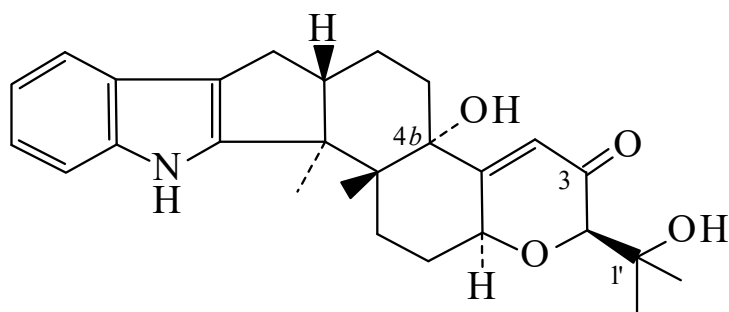




>>Entry Name: Paxilline



CAS Registry Number: 57186-25-1

Molecular Formula: C₂₇H₃₃NO₄

Molecular Weight: 435.562

Accurate Mass: 435.240959

Percentage Composition: C 74.45%; H 7.64%; N 3.22%; O 14.69%

Biological Source: Metab. from *Penicillium paxilli*, *Acremonium lorii*, *Emericella foveolata*, *Emericella desertorum* and *Emericella striata*

Use/Importance: Tremorgenic agent

Physical Description: Plates (Me₂CO)

Melting Point: Mp 252°

UV: [neutral] λ_{max} 231 (ε 41700); 280 (ε 9330); 290 (sh) (ε 8320) (EtOH) (Derep) [neutral] λ_{max} 230 (); 280 () (MeOH) (Berdy)

Hazard & Toxicity: LD₅₀ (mus, orl) >227 mg/kg; produces tremors

Sigma: P2928

>>Derivative: 1'-O-Ac

Synonym(s): 1'-O-Acetylpaxilline

CAS Registry Number: 121998-08-1

Molecular Formula: C₂₉H₃₅NO₅

Molecular Weight: 477.599

Accurate Mass: 477.251524

Percentage Composition: C 72.93%; H 7.39%; N 2.93%; O 16.75%

Biological Source: Metab. from the mycelium of *Emericella striata*

Use/Importance: Mycotoxin. Tremorgenic agent

Physical Description: Needles (EtOAc)

Boiling Point: Subl. 262-265°

UV: [neutral] λ_{max} 231 (ε 41700); 280 (ε 9330); 290 (sh) (ε 8320) (EtOH) (Derep) [neutral] λ_{max} 231 (ε 42000); 280 (ε 9300); 290 (ε 8100) (EtOH) (Berdy)

>>Derivative: 4b-Deoxy

Synonym(s): Dehydroxypaxilline

CAS Registry Number: 112900-05-7

Molecular Formula: C₂₇H₃₃NO₃

Molecular Weight: 419.563

Accurate Mass: 419.246044

Percentage Composition: C 77.29%; H 7.93%; N 3.34%; O 11.44%

Biological Source: Metab. of *Emericella striata*

Physical Description: Leaflets (MeOH)

Melting Point: Mp 232-234°

>>Derivative: 3β-Alcohol, 3-Ac

Synonym(s): PC-M5'

CAS Registry Number: 133613-75-9

Molecular Formula: C₂₉H₃₇NO₅

Molecular Weight: 479.615

Accurate Mass: 479.267174

Percentage Composition: C 72.62%; H 7.78%; N 2.92%; O 16.68%

Biological Source: Metab. of *Penicillium crustosum*

Use/Importance: Tremorgenic mycotoxin

Physical Description: Cryst. powder

Melting Point: Mp 162-164°