



Biological Source: Alkaloid from the leaves of *Phyllanthus discoides* (Euphorbiaceae)

Physical Description: Orange-yellow cryst. (1-propanol)

Melting Point: Mp 157-158°

Optical Rotation: $[\alpha]_{\text{D}}^{25} -96$ (c, 0.48 in EtOH)

>>**Derivative:** 14,15-Dihydro, 15 α -methoxy

Synonym(s): 14,15-Dihydro-15 α -methoxyphyllorchrysine. 15 α -Methoxy-14,15-dihydrophyllorchrysine

CAS Registry Number: 128855-48-1

Molecular Formula: C₁₄H₁₉NO₃

Molecular Weight: 249.309

Accurate Mass: 249.136494

Percentage Composition: C 67.45%; H 7.68%; N 5.62%; O 19.25%

Biological Source: Alkaloid from bark and roots of *Margaritaria indica* (Euphorbiaceae)

Physical Description: Needles (petrol)

Melting Point: Mp 141°

Optical Rotation: $[\alpha]_{\text{D}} +71$ (c, 0.6 in MeOH)

>>**Derivative:** 14,15-Dihydro, 15 α -methoxy; hydrobromide

Physical Description: Plates (MeOH/Me₂CO)

Melting Point: Mp 182-183°

>>**Variant:** (+)-form

Synonym(s): Viroallosecurinine

CAS Registry Number: 1857-30-3

Molecular Formula: C₁₃H₁₅NO₂

Molecular Weight: 217.267

Accurate Mass: 217.110279

Percentage Composition: C 71.87%; H 6.96%; N 6.45%; O 14.73%

Biological Source: Alkaloid from the leaves of *Securinega virosa* (Euphorbiaceae)

Physical Description: Yellow prisms (Me₂CO)

Melting Point: Mp 136-138°

Optical Rotation: $[\alpha]_{\text{D}}^{20} +1084.6$ (c, 0.05 in EtOH)

References:

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Saito, S. *et al.*, *Yakugaku Zasshi*, 1964, **84**, 1126; *CA*, **62**, 5498d, (isol, Viroallosecurinine)
Mukherjee, R. *et al.*, *Indian J. Chem.*, 1966, **4**, 459, (isol, uv)
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Beutler, J.A. *et al.*, *J. Nat. Prod.*, 1984, **47**, 677, (cmr)
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Arbain, D. *et al.*, *Aust. J. Chem.*, 1990, **43**, 439, (15 α -Methoxy-14,15-dihydrophyllorchrysine)