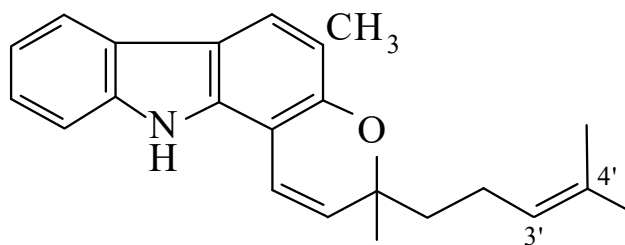




>>Entry Name: Mahanimbine

Synonym(s): 3,11-Dihydro-3,5-dimethyl-3-(4-methyl-3-pentenyl)pyrano[3,2-*a*]carbazole, 9Cl



Molecular Formula: C₂₃H₂₅NO

Molecular Weight: 331.457

Accurate Mass: 331.193614

Percentage Composition: C 83.35%; H 7.60%; N 4.23%; O 4.83%

>>Variant: (+)-form

CAS Registry Number: 21104-28-9

Molecular Formula: C₂₃H₂₅NO

Molecular Weight: 331.457

Accurate Mass: 331.193614

Percentage Composition: C 83.35%; H 7.60%; N 4.23%; O 4.83%

Biological Source: Alkaloid from the fruits and leaves of *Murraya koenigii* and the stem bark of *Murraya exotica* (Rutaceae)

Physical Description: Cryst. (hexane)

Melting Point: Mp 94-95°

Optical Rotation: [α]_D +40.6 (c, 2.1 in CHCl₃). [α]_D +52 (CHCl₃)

>>Derivative: Dihydro

Melting Point: Mp 101°

>>Derivative: Tetrahydro

Physical Description: Cryst. (pentane)

Melting Point: Mp 110°

>>Derivative: *N*-Me

Physical Description: Needles (EtOH)

Melting Point: Mp 120°

>>Derivative: *N*-Et

Physical Description: Cryst. (EtOH)

Melting Point: Mp 96°

>>Derivative: 3',4'-Dihydro, 4'-hydroxy

Synonym(s): Mahanimbinine

CAS Registry Number: 30048-24-9

Molecular Formula: C₂₃H₂₇NO₂

Molecular Weight: 349.472

Accurate Mass: 349.204179

Percentage Composition: C 79.05%; H 7.79%; N 4.01%; O 9.16%

Biological Source: Alkaloid from leaves of *Murraya koenigii* (Rutaceae)

Melting Point: Mp 179°

>>Derivative: Δ⁴-Isomer, 3'-hydroxy

Synonym(s): Murrayamine C

CAS Registry Number: 73385-58-7