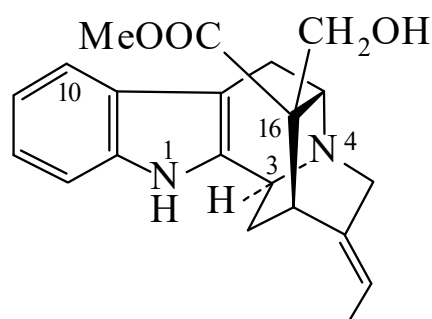




>>Entry Name: Akuammidine

Synonym(s): Methyl 17-hydroxysarpagan-16-carboxylate, 9Cl. Rhazine



CAS Registry Number: 639-36-1

Molecular Formula: $C_{21}H_{24}N_2O_3$

Molecular Weight: 352.432

Accurate Mass: 352.178693

Percentage Composition: C 71.57%; H 6.86%; N 7.95%; O 13.62%

General Statement: C-16 epimer Polyneuridine [CGQ29-A](#). Pmr and cmr spectral data revised in 1996

Biological Source: Alkaloid from *Picralima nitida* (*Picralima klaineana*), *Rhazya stricta* and several other spp. in the Apocynaceae

Melting Point: Mp 234-236°. Mp 265°

>>Derivative: O-Ac

Physical Description: Prisms ($CHCl_3$ /EtOH)

Melting Point: Mp 272°

>>Derivative: Picrate

Physical Description: Yellow spheroids (EtOH)

Melting Point: Mp 215°

>>Derivative: 10-Methoxy, N^1 -Me

Synonym(s): N^a -Methyl-10-methoxyakuammidine

CAS Registry Number: 56440-63-2

Molecular Formula: $C_{23}H_{28}N_2O_4$

Molecular Weight: 396.485

Accurate Mass: 396.204908

Percentage Composition: C 69.68%; H 7.12%; N 7.07%; O 16.14%

Biological Source: Alkaloid from the aerial parts of *Alstonia lanceolifera* and *Alstonia boullindaensis* (Apocynaceae)

Melting Point: Mp 234-236°

Optical Rotation: $[\alpha]_D +52$ (c, 1 in $CHCl_3$)

>>Derivative: N^4 -Me

Synonym(s): Macusine C

CAS Registry Number: 6801-17-8

Molecular Formula: $C_{22}H_{27}N_2O_3^{(+)}$

Molecular Weight: 367.467

Accurate Mass: 367.202168

Percentage Composition: C 71.91%; H 7.41%; N 7.62%; O 13.06%

Biological Source: Quaternary alkaloid from the bark of *Strychnos toxifera* (Strychnaceae)

>>Derivative: N^4 -Me, chloride

Molecular Formula: $C_{22}H_{27}ClN_2O_3$

Molecular Weight: 402.92

Accurate Mass: 402.17102

Percentage Composition: C 65.58%; H 6.75%; Cl 8.80%; N 6.95%; O 11.91%

Physical Description: Cryst. (EtOH/Et₂O)

Melting Point: Mp 264-265 dec.° (260-261°)

Optical Rotation: $[\alpha]_D^{24} -60.8$ (c, 2.13 in H₂O)