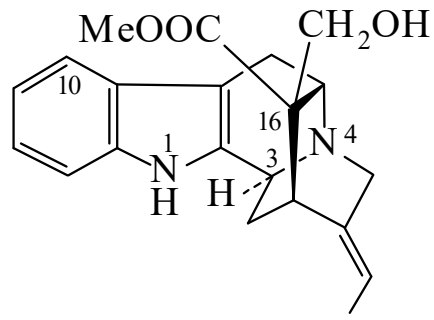
>>**Entry Name: Akuammidine**
Synonym(s): Methyl 17-hydroxysarpagan-16-carboxylate, ^{9Cl}. Rhazine



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 boulindaensis* (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. ($EtOH/Et_2O$)
Melting Point: Mp 264-265 dec.° (260-261°)
Optical Rotation: $[\alpha]_D^{24}$ –60.8 (c, 2.13 in H_2O)