



Accurate Mass: 494.106641

Percentage Composition: C 53.45%; H 5.50%; I 25.67%; N 5.67%; O 9.71%

Physical Description: Cryst. (EtOH/Et₂O)

Melting Point: Mp 285°

>>**Derivative:** Z-Isomer

Synonym(s): (Z)-Akuammidine

CAS Registry Number: 113973-31-2

Molecular Formula: C₂₁H₂₄N₂O₃

Molecular Weight: 352.432

Accurate Mass: 352.178693

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

Biological Source: Alkaloid from roots of *Gelsemium elegans*

Physical Description: Needles (Me₂CO)

Melting Point: Mp 240-242°

Optical Rotation: [α]_{Hg}¹⁶ +9 (c, 0.16 in MeOH)

References:

- Chatterjee, A. *et al.*, *Chem. Ind. (London)*, 1961, 1034, (*isol, uv, ir*)
Chatterjee, A. *et al.*, *J. Sci. Ind. Res., Sect. B*, 1962, **21**, 147, (*pmr*)
Silers, S. *et al.*, *Tet. Lett.*, 1962, 339, (*cryst struct*)
Ohashi, M. *et al.*, *Tetrahedron*, 1963, **19**, 2241, (*ms*)
Battersby, A.R. *et al.*, *J.C.S.*, 1964, 4419, (*Macusine C*)
Bláha, K. *et al.*, *Coll. Czech. Chem. Comm.*, 1974, **39**, 3168, (*uv, cd, ord*)
Lewin, G. *et al.*, *Phytochemistry*, 1975, **14**, 2067, (*N⁸-Methoxy-10-methoxyakuammidine*)
Jewers, K. *et al.*, *Planta Med.*, 1980, **38**, 359, (*cmr*)
Ponglux, D. *et al.*, *Tetrahedron*, 1988, **44**, 5075, (*Z-isomer*)
Lin, L. *et al.*, *Phytochem. Anal.*, 1990, **1**, 26, (*pmr, cmr, Z-isomer*)
Jokela, R. *et al.*, *Heterocycles*, 1996, **43**, 1015, (*pmr, cmr*)