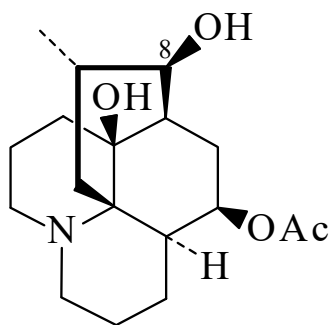




>>Entry Name: Lycofawcine

Synonym(s): Base L



CAS Registry Number: 3175-90-4

Molecular Formula: $C_{18}H_{29}NO_4$

Molecular Weight: 323.431

Accurate Mass: 323.209659

Percentage Composition: C 66.85%; H 9.04%; N 4.33%; O 19.79%

Biological Source: Alkaloid from *Lycopodium fawcettii* (Lycopodiaceae)

Physical Description: Oil

>>Derivative: Perchlorate

Melting Point: Mp 290-294 dec.°

>>Derivative: Methiodide

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 281-282°

>>Derivative: O⁸-Ac

Synonym(s): Acetyllycofawcine. Base O

Molecular Formula: $C_{20}H_{31}NO_5$

Molecular Weight: 365.469

Accurate Mass: 365.220224

Percentage Composition: C 65.73%; H 8.55%; N 3.83%; O 21.89%

Biological Source: Alkaloid from *Lycopodium fawcettii* (Lycopodiaceae)

Melting Point: Mp 181-182°

References:

Burnell, R.H. *et al.*, *Can. J. Chem.*, 1960, **38**, 1927, (*Acetyllycofawcine*)

Burnell, R.H. *et al.*, *Can. J. Chem.*, 1963, **41**, 3091, (*isol, ir*)

Ayer, W.A. *et al.*, *Can. J. Chem.*, 1965, **43**, 328, (*ms, struct*)