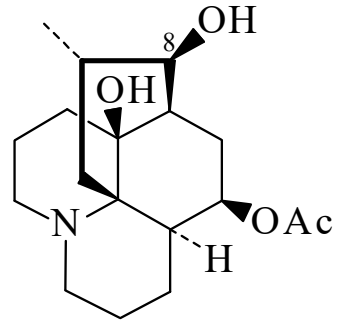
>>**Entry Name: Lycofawcine**
Synonym(s): Base L



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. (Me_2CO)
Melting Point: Mp 281-282°

>>**Derivative:** O^8-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)*