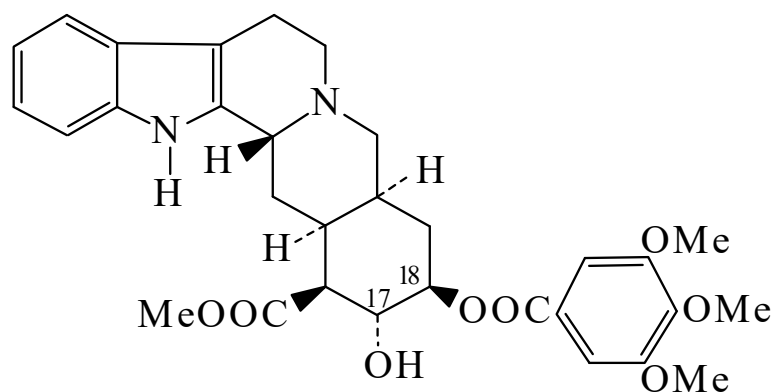




>>Entry Name: Raunescine



CAS Registry Number: 117-73-7

Molecular Formula: $C_{31}H_{36}N_2O_8$

Molecular Weight: 564.634

Accurate Mass: 564.247168

Percentage Composition: C 65.94%; H 6.43%; N 4.96%; O 22.67%

Biological Source: Alkaloid from *Rauwolfia canescens* and *Rauwolfia tetraphylla*, also detected in *Rauwolfia ligustrina* (Apocynaceae)

Physical Description: Cryst. (MeOH aq.)

Melting Point: Mp 160-170°

Optical Rotation: $[\alpha]_D -74$

>>Derivative: Nitrate

Melting Point: Mp 223-225°

Optical Rotation: $[\alpha]_D -80$ (c, 1 in 5M AcOH)

>>Derivative: Mono-Ac

Melting Point: Mp 157-162°

Optical Rotation: $[\alpha]_D -157$ (c, 1 in $CHCl_3$)

>>Derivative: O^{17} -(3,4,5-Trimethoxybenzoyl), O^{18} -de-(3,4,5-trimethoxybenzoyl)

Synonym(s): Isoraunescine

CAS Registry Number: 483-07-8

Molecular Formula: $C_{31}H_{36}N_2O_8$

Molecular Weight: 564.634

Accurate Mass: 564.247168

Percentage Composition: C 65.94%; H 6.43%; N 4.96%; O 22.67%

Biological Source: Alkaloid from *Rauwolfia canescens*, also detected in *Rauwolfia ligustrina* (Apocynaceae)

Physical Description: Cryst. (MeOH aq.)

Melting Point: Mp 241-242°

Optical Rotation: $[\alpha]_D -70$

>>Derivative: O^{17} -Me

References:

Hosanky, N. *et al.*, *J. Am. Pharm. Assoc.*, 1955, **44**, 635, (*isol, uv*)

Huebner, C.F. *et al.*, *J.A.C.S.*, 1957, **79**, 250, (*struct*)

van Tamelen, E.E. *et al.*, *J.A.C.S.*, 1957, **79**, 5256, (*struct*)

Szántay, C. *et al.*, *Annalen*, 1983, 1278