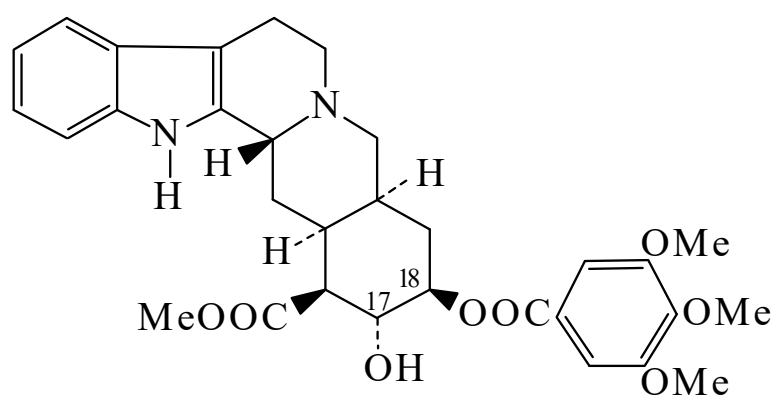




>>Entry Name: Raunescine



CAS Registry Number: 117-73-7

Molecular Formula: C₃₁H₃₆N₂O₈

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: [α]_D −74

>>Derivative: Nitrate

Melting Point: Mp 223-225°

Optical Rotation: [α]_D −80 (c, 1 in 5M AcOH)

>>Derivative: Mono-Ac

Melting Point: Mp 157-162°

Optical Rotation: [α]_D −157 (c, 1 in CHCl₃)

>>Derivative: O¹⁷-(3,4,5-Trimethoxybenzoyl), O¹⁸-de-(3,4,5-trimethoxybenzoyl)

Synonym(s): Isoraunescine

CAS Registry Number: 483-07-8

Molecular Formula: C₃₁H₃₆N₂O₈

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: [α]_D −70

>>Derivative: O¹⁷-Me

References:

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

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