



Percentage Composition: C 60.75%; H 7.39%; N 3.54%; O 28.32%

Biological Source: Alkaloid from *Senecio hadiensis* (Compositae)

Physical Description: Gum

>>Derivative: 14 α -Hydroxy

Synonym(s): Hygrophylline

CAS Registry Number: 3573-82-8

Molecular Formula: C₁₈H₂₇NO₆

Molecular Weight: 353.414

Accurate Mass: 353.183839

Percentage Composition: C 61.17%; H 7.70%; N 3.96%; O 27.16%

Biological Source: Alkaloid from *Senecio hygrophyllus* (Compositae)

Physical Description: Prisms (Me₂CO)

Melting Point: Mp 176° (173-174°)

Optical Rotation: [α]_D²⁰ -67.3 (c, 2.9 in EtOH)

Other Data: Hydrol. gives platynecine and hygrophyllinecic acid

>>Derivative: 18-Hydroxy

Synonym(s): Dihydroretrorsine

Molecular Formula: C₁₈H₂₇NO₆

Molecular Weight: 353.414

Accurate Mass: 353.183839

Percentage Composition: C 61.17%; H 7.70%; N 3.96%; O 27.16%

Biological Source: Alkaloid from the roots of *Senecio subulatus* var. *erectus* (Compositae)

Physical Description: Needles (CHCl₃/MeOH)

Melting Point: Mp 62-63°

Optical Rotation: [α]_D²⁰ -2.68 (c, 0.078 in CHCl₃)

>>Derivative: 2 α ,18-Dihydroxy

Synonym(s): Petitianine

CAS Registry Number: 137760-49-7

Molecular Formula: C₁₈H₂₇NO₇

Molecular Weight: 369.414

Accurate Mass: 369.178754

Percentage Composition: C 58.52%; H 7.37%; N 3.79%; O 30.32%

Biological Source: Alkaloid from *Senecio hadiensis* (Compositae)

Physical Description: Powder (MeOH)

Melting Point: Mp 207-209°

Optical Rotation: [α]_D -60 (c, 0.5 in MeOH)

>>Derivative: (15*E*)-Isomer

Synonym(s): Neoplatyphylline

CAS Registry Number: 20361-76-6

Molecular Formula: C₁₈H₂₇NO₅

Molecular Weight: 337.415

Accurate Mass: 337.188924

Percentage Composition: C 64.07%; H 8.07%; N 4.15%; O 23.71%

Biological Source: Alkaloid from *Senecio platyphyllus* and *Senecio rhombifolius* (Compositae)

Melting Point: Mp 131-133°

Optical Rotation: [α]_D +1.95