



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