



Percentage Composition: C 62.00%; H 5.53%; N 1.51%; O 30.97%
Biological Source: Alkaloid from root bark of *Maytenus ilicifolia* (Celastraceae)
Physical Description: Amorph. solid
Melting Point: Mp 149-151°
Optical Rotation: $[\alpha]_D +14.4$ (c, 0.57 in CHCl₃)

>>Derivative: 2-(3-Furancarbonyl), 1,6,8,9,14-penta-Ac
Synonym(s): Wilforgine

CAS Registry Number: 37239-47-7

Molecular Formula: C₄₁H₄₇N₁₉O₁₉
Molecular Weight: 857.818
Accurate Mass: 857.274234
Percentage Composition: C 57.41%; H 5.52%; N 1.63%; O 35.44%
Biological Source: Alkaloid from the roots of *Tripterygium hypoglaucum* (Celastraceae)
Use/Importance: Shows insecticidal props.
Physical Description: Plates (Me₂CO/MeOH)
Melting Point: Mp 211°
Optical Rotation: $[\alpha]_D^{25} +25$ (Me₂CO)

>>Derivative: 1-(3-Pyridinecarbonyl), 2,6,8,9,14-penta-Ac
Synonym(s): Laevisine B

Molecular Formula: C₄₂H₄₈N₂O₁₈
Molecular Weight: 868.844
Accurate Mass: 868.290218
Percentage Composition: C 58.06%; H 5.57%; N 3.22%; O 33.15%
Biological Source: Alkaloid from the bark of *Maytenus laevis*
Physical Description: Amorph. solid
Melting Point: Mp 148-150°
Optical Rotation: $[\alpha]_D^{25} +31.2$ (c, 0.1 in CHCl₃)
UV: [neutral] $\lambda_{\max}$ 220 (log ϵ 4.2); 262 (log ϵ 3.74) (EtOH)

>>Derivative: 2-(3-Pyridinecarbonyl), 1,6,8,9,14-penta-Ac
Synonym(s): Wilforine. 2-Debenzoyl-2-nicotinoylwilforine

CAS Registry Number: 112899-84-0

Molecular Formula: C₄₂H₄₈N₂O₁₈
Molecular Weight: 868.844
Accurate Mass: 868.290218
Percentage Composition: C 58.06%; H 5.57%; N 3.22%; O 33.15%
Biological Source: Alkaloid from *Tripterygium wilfordii* (Celastraceae)
Use/Importance: Immunosuppressant
Melting Point: Mp 177-178°

>>Derivative: 6-(3-Pyridinecarbonyl), 2-benzoyl, 1,8,9,14-tetra-Ac
Synonym(s): Cangorinine WII

CAS Registry Number: 155944-25-5

Molecular Formula: C₄₇H₅₀N₂O₁₈
Molecular Weight: 930.915
Accurate Mass: 930.305868
Percentage Composition: C 60.64%; H 5.41%; N 3.01%; O 30.94%
Biological Source: Alkaloid from bark of *Maytenus ilicifolia* (Celastraceae)
Physical Description: Amorph. solid
Melting Point: Mp 153-158°
Optical Rotation: $[\alpha]_D +7.9$ (c, 0.24 in CHCl₃)