>>**Derivative:** *O*-(4-Ethoxycarbonyloxy-3,5-dimethoxybenzoyl)

>>**Derivative:** *O*-(2-Acetamidobenzoyl), Me ester

>>**Derivative:** *O*-(3,4,5-Trimethoxycinnamoyl), Me ester
Synonym(s): Rescinnamine, BAN, INN, JAN**. Reserpinine‡.** Anaprel. Apoterin. Cinnaloid. Rescaloid. Moderil. Scinnamina. Many other names

CAS Registry Number: 84-34-4
Extra CAS Registry Numbers(s): 24815-24-5

Molecular Formula: $C_{35}H_{42}N_2O_9$
Molecular Weight: 634.725
Accurate Mass: 634.289033
Percentage Composition: C 66.23%; H 6.67%; N 4.41%; O 22.69%
Biological Source: Alkaloid from *Rauwolfia vomitoria, Rauwolfia caffra, Rauwolfia cumminsii, Rauwolfia macrophylla, Rauwolfia oreogiton, Rauwolfia volkensii, Rauwolfia mombasiana* and many other *Rauwolfia* spp. (Apocynaceae)
Use/Importance: Antihypertensive agent and tranquilliser agent. Sedative
Physical Description: Cryst. (Me_2CO aq.)
Melting Point: Mp 238-239° (in vacuo)
Optical Rotation: $[\alpha]_D^{17}$ –99 (c, 1.3 in $CHCl_3$)
Calculated Log P Data: Log P 3.6 (calc)
Other Data: Not the same as Reserpinine CFD70-M. Shows similar pharmacol. to Reserpine but is less potent

>>**Derivative:** *O*-(3,4,5-Trimethoxycinnamoyl), O^{17}-de-Me, Me ester
Synonym(s): Rescidine

Molecular Formula: $C_{34}H_{40}N_2O_9$
Molecular Weight: 620.698
Accurate Mass: 620.273383
Percentage Composition: C 65.79%; H 6.50%; N 4.51%; O 23.20%
Biological Source: Alkaloid from *Rauwolfia vomitoria* (Apocynaceae)
Physical Description: Needles (MeOH)
Melting Point: Mp 183-186 dec.°
Optical Rotation: $[\alpha]_D$ –63.4 (c, 1 in $CHCl_3$)

>>**Derivative:** *O*-[3-(3,4,5-Trimethoxyphenyl)propanoyl], Me ester
Synonym(s): Rescinnamidine

CAS Registry Number: 110222-52-1

Molecular Formula: $C_{35}H_{44}N_2O_9$
Molecular Weight: 636.741
Accurate Mass: 636.304683
Percentage Composition: C 66.02%; H 6.96%; N 4.40%; O 22.61%
Biological Source: Alkaloid from roots of *Rauwolfia serpentina*
Physical Description: Yellow needles ($CHCl_3$/Et_2O)
Melting Point: Mp 260-261°
Optical Rotation: $[\alpha]_D^{20}$+207 ($CHCl_3$)

>>**Derivative:** 3-Epimer, *O*-(3,4,5-trimethoxycinnamoyl), Me ester
Synonym(s): 3-Epirescinnamine

CAS Registry Number: 187082-77-5

Molecular Formula: $C_{35}H_{42}N_2O_9$
Molecular Weight: 634.725
Accurate Mass: 634.289033
Percentage Composition: C 66.23%; H 6.67%; N 4.41%; O 22.69%
Biological Source: Alkaloid from root bark of *Rauwolfia vomitoria* (Apocynaceae)
Melting Point: Mp 238°
Optical Rotation: $[\alpha]_D^{20}$–137.2 (c, 1 in $CHCl_3$)
UV: [neutral] λ_{max} 230 (log ε 4.57); 300 (log ε 4.2) (MeOH)

References: