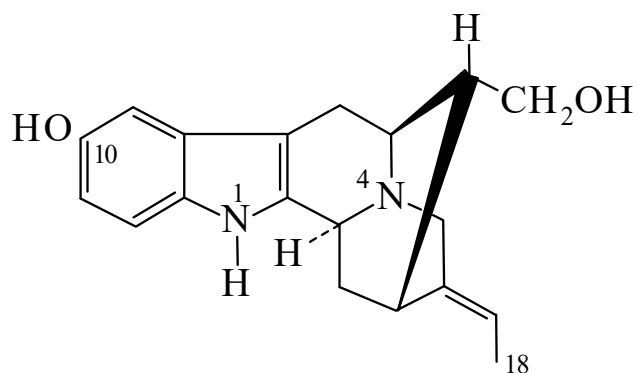




>>Entry Name: Sarpagine

Synonym(s): Sarpagan-10,17-diol, 9Cl. Raupine



CAS Registry Number: 482-68-8

Molecular Formula: $C_{19}H_{22}N_2O_2$

Molecular Weight: 310.395

Accurate Mass: 310.168128

Percentage Composition: C 73.52%; H 7.14%; N 9.03%; O 10.31%

Biological Source: Alkaloid from many *Rauwolfia* spp., *Alstonia yunnanensis*, *Vinca major* and *Vinca difformis* (Apocynaceae)

Physical Description: Needles (EtOH or MeOH)

Optical Rotation: $[\alpha]_D^{20} +54$ (Py)

Other Data: Dec. at 320° without melting

>>Derivative: Hydrochloride

Physical Description: Needles (EtOH)

Other Data: Dec. at 220° without melting

>>Derivative: Hydrobromide

Physical Description: Prisms (EtOH)

Other Data: Dec. at 220° without melting

>>Derivative: O^{17} -Ac

Synonym(s): 17-Acetylsarpagine

CAS Registry Number: 102358-21-4

Molecular Formula: $C_{21}H_{24}N_2O_3$

Molecular Weight: 352.432

Accurate Mass: 352.178693

Percentage Composition: C 71.57%; H 6.86%; N 7.95%; O 13.62%

Biological Source: Alkaloid from roots of *Alstonia yunnanensis*

>>Derivative: Di-*O*-Ac

Physical Description: Cryst. (C_6H_6)

Melting Point: Mp 244-245°

Optical Rotation: $[\alpha]_D^{20} -23$ (c, 0.46 in Py). $[\alpha]_D +24$ (c, 0.45 in EtOH)

>>Derivative: N^1 -Me

Synonym(s): *N*-Methylsarpagine

CAS Registry Number: 17801-05-7

Molecular Formula: $C_{20}H_{24}N_2O_2$

Molecular Weight: 324.422

Accurate Mass: 324.183778

Percentage Composition: C 74.05%; H 7.46%; N 8.63%; O 9.86%

Biological Source: Alkaloid from the bark of *Alstonia spectabilis* (Apocynaceae)

Physical Description: Prisms (MeOH)

Melting Point: Mp 300 dec.°