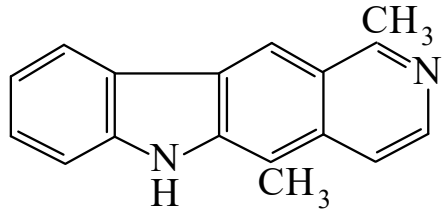
>>**Entry Name: Olivacine**
Synonym(s): 1,5-Dimethyl-6*H*-pyrido[4,3-*b*]carbazole, 9CI. Guatambuinine



CAS Registry Number: 484-49-1

Molecular Formula: $C_{17}H_{14}N_2$
Molecular Weight: 246.311
Accurate Mass: 246.115698
Percentage Composition: C 82.90%; H 5.73%; N 11.37%
Biological Source: Alkaloid from several *Aspidosperma* spp., from *Tabernaemontana psychotrifolia, Ochrosia* spp. and some other spp. in Apocynaceae
Use/Importance: Antineoplastic agent. Shows v. strong cytotoxic activity *vs.* human carcinoma KB cells and L1210 leukaemia. Also shows antiprotozoal activity
Melting Point: Mp 318-326 dec.° (315-320°)
Calculated Log P Data: Log P 4.37 (calc)
UV: [neutral] λ_{max} 224 (ε 30200); 237 (sh) (ε 26900); 245 (sh) (ε 21900); 275 (ε 57500); 285 (ε 75900); 293 (ε 70800); 331 (ε 7080); 346 (ε 5010); 380 (ε 3800); 400 (ε 3800) (EtOH) (Derep) [neutral] λ_{max} 224 (); 238 (); 267 (); 276 (); 286 (); 292 (); 314 (); 318 (); 343 () (EtOH) (Berdy) [acid] λ_{max} 242 (); 300 (); 348 () (EtOH-HCl) (Berdy)

Sigma: O6252

>>**Derivative:** *N*-Oxide
Synonym(s): Olivacine *N*-oxide

CAS Registry Number: 2122-22-7

Molecular Formula: $C_{17}H_{14}N_2O$
Molecular Weight: 262.31
Accurate Mass: 262.110613
Percentage Composition: C 77.84%; H 5.38%; N 10.68%; O 6.10%
Biological Source: Alkaloid from bark of *Aspidosperma nigricans* (Apocynaceae)
Use/Importance: Shows antineoplastic activity *vs.* walker 256 carcinosarcoma cells
Melting Point: Mp 304-305 dec.°
Calculated Log P Data: Log P 2.28 (calc)

>>**Derivative:** 9-Methoxy
Synonym(s): 9-Methoxyolivacine

CAS Registry Number: 16101-08-9

Molecular Formula: $C_{18}H_{16}N_2O$
Molecular Weight: 276.337
Accurate Mass: 276.126263
Percentage Composition: C 78.24%; H 5.84%; N 10.14%; O 5.79%
Biological Source: Alkaloid from the bark of *Aspidosperma vargasii* (Apocynaceae)
Physical Description: Pale-yellow cryst. (MeOH)
Melting Point: Mp 291-293 dec.°
Other Data: Probable struct.

>>**Derivative:** 9-Methoxy; methiodide

Melting Point: Mp 340 dec.°

References: