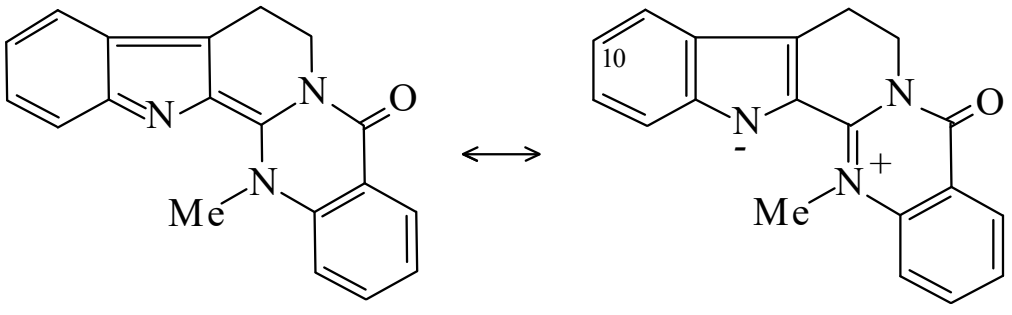
>>**Entry Name: Dehydroevodiamine**
Synonym(s): 5,7,8,13-Tetrahydro-14-methyl-5-oxoindolo[2',3':3,4]pyrido[2,1-*b*]quinazolinium hydroxide, inner salt, 9Cl. 13,13*b*-Dehydroevodiamine



CAS Registry Number: 67909-49-3

Molecular Formula: $C_{19}H_{15}N_3O$
Molecular Weight: 301.347
Accurate Mass: 301.121512
Percentage Composition: C 75.73%; H 5.02%; N 13.94%; O 5.31%
Biological Source: Alkaloid from the unripe fruit of *Evodia rutaecarpa* (Rutaceae)
Melting Point: Mp 189°

>>**Derivative:** Hydrochloride
Physical Description: Yellow cryst. + &1qu; H_2O
Melting Point: Mp 208-209°

>>**Derivative:** 10-Methoxy
Synonym(s): Hortiamine. 8,14-Dihydro-10-methoxy-14-methylindolo[2',3':3,4]pyrido[2,1-*b*]quinazolin-5(7*H*)-one, 9Cl

CAS Registry Number: 477-40-7

Molecular Formula: $C_{20}H_{17}N_3O_2$
Molecular Weight: 331.373
Accurate Mass: 331.132077
Percentage Composition: C 72.49%; H 5.17%; N 12.68%; O 9.66%
Biological Source: Alkaloid from the bark of *Hortia arborea* and *Hortia braziliana* (Rutaceae)
Use/Importance: Hypotensive agent
Physical Description: Red-orange needles (C_6H_6 or $CHCl_3/C_6H_6$)
Melting Point: Mp 209 dec.°

>>**Derivative:** 10-Methoxy; hydrochloride

Physical Description: Cryst. + $1H_2O$ (EtOH aq.)
Melting Point: Mp 243 dec.°
Other Data: Sublimation at 230-270°/0.5 mm yields Hortiacine CDF87-S

>>**Derivative:** 10-Methoxy; methiodide

Physical Description: Cryst. (EtOH aq.)
Melting Point: Mp 208-209°

References:

Pachter, I.J. *et al.*, *J.A.C.S.*, 1960, **82**, 5187; 1961, **83**, 535, *(isol, uv, struct, synth, Hortiamine)*
Danieli, B. *et al.*, *Heterocycles*, 1978, **9**, 803, *(synth)*
King, C.L. *et al.*, *J. Nat. Prod.*, 1980, **43**, 577, *(isol, ir, pmr)*
Bergman, J. *et al.*, *J.O.C.*, 1985, **50**, 1246, *(synth)*