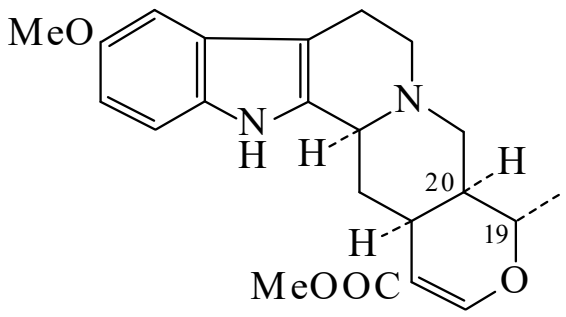
>>**Entry Name: Aricine**
Synonym(s): Heterophylline‡. Cinchovatine



CAS Registry Number: 482-91-7

Molecular Formula: $C_{22}H_{26}N_2O_4$
Molecular Weight: 382.458
Accurate Mass: 382.189258
Percentage Composition: C 69.09%; H 6.85%; N 7.32%; O 16.73%
Biological Source: Alkaloid from several *Cabucala, Ochrosia, Rauwolfia* and *Aspidosperma* spp., also from *Cinchona ledgeriana* (Apocynaceae, Rubiaceae)
Physical Description: Cryst. (EtOH aq.)
Melting Point: Mp 190 dec.°
Optical Rotation: $[\alpha]_D^{20}$–91 (c, 1.4 in $CHCl_3$). $[\alpha]_D^{20}$–63 (c, 1.5 in Py). $[\alpha]_D^{20}$–57 (c, 1.0 in EtOH)
UV: [neutral] λ_{max} 229 (ε 34850); 281 (ε 9600) (EtOH) (Berdy)

>>**Derivative:** Hydrochloride

Physical Description: Plates (MeOH/Me_2CO)
Melting Point: Mp 254°
Optical Rotation: $[\alpha]_D^{20}$–5 (c, 0.9 in 50% EtOH aq.)

>>**Derivative:** Hydrobromide

Physical Description: Needles (MeOH)
Melting Point: Mp 262-263 dec.°

>>**Derivative:** Oxalate

Physical Description: Cryst. (EtOH or MeOH)
Melting Point: Mp 234-235 dec.°

>>**Derivative:** Tartrate

Physical Description: Plates (MeOH)
Melting Point: Mp 208-209 dec.°
Optical Rotation: $[\alpha]_D^{20}$–10 (c, 0.8 in 50% EtOH aq.)

>>**Derivative:** 19,20-Diepimer
Synonym(s): Raumitorine

CAS Registry Number: 549-74-6

Molecular Formula: $C_{22}H_{26}N_2O_4$
Molecular Weight: 382.458
Accurate Mass: 382.189258
Percentage Composition: C 69.09%; H 6.85%; N 7.32%; O 16.73%
Biological Source: Alkaloid from *Rauwolfia vomitoria* (Apocynaceae)
Physical Description: Needles (MeOH)
Melting Point: Mp 138°
Optical Rotation: $[\alpha]_D^{20}$+60 (c, 0.54 in $CHCl_3$)

References:

Goutarel, R. *et al.*, *Bull. Soc. Chim. Fr.*, 1954, 1481, *(Raumitorine)*
Stoll, A. *et al.*, *Helv. Chim. Acta*, 1955, **38**, 270, *(isol, uv, ir, struct)*
Shamma, M. *et al.*, *J.A.C.S.*, 1963, **85**, 2507, *(stereochem)*
Finch, N. *et al.*, *Tetrahedron*, 1966, **22**, 1327, *(uv, ord, stereochem)*
Sakai, S. *et al.*, *Yakugaku Zasshi*, 1978, **98**, 850; *CA*, **89**, 197771u, *(synth)*