



Synonym(s): Saloquinine. Salochimin

Molecular Formula: $C_{27}H_{28}N_2O_4$

Molecular Weight: 444.529

Accurate Mass: 444.204908

Percentage Composition: C 72.95%; H 6.35%; N 6.30%; O 14.40%

Use/Importance: Analgesic, antipyretic

Physical Description: Cryst. (EtOH)

Melting Point: Mp 140°

Calculated Log P Data: Log P 5.81 (uncertain value) (calc)

>>Derivative: *N*-Benzyl

CAS Registry Number: 67174-25-8

Molecular Formula: $C_{27}H_{31}N_2O_2^{(+)}$

Molecular Weight: 415.554

Accurate Mass: 415.238553

Percentage Composition: C 78.04%; H 7.52%; N 6.74%; O 7.70%

Use/Importance: Chiral phase-transfer catalyst

Melting Point: Mp 200-205 dec.° (as chloride)

Optical Rotation: $[\alpha]_D^{20} -235$ (c, 1.5 in H_2O)

Other Data: CAS no. refers to chloride

Aldrich: 37448-2

Fluka: 13265

>>Derivative: *O*-De-Me

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%

>>Derivative: 10,11-Dihydro

Synonym(s): Hydroquinine. (8 α ,9*R*)-10,11-Dihydro-6'-methoxycinchonan-9-ol, 9Cl

CAS Registry Number: 522-66-7

Molecular Formula: $C_{20}H_{26}N_2O_2$

Molecular Weight: 326.438

Accurate Mass: 326.199428

Percentage Composition: C 73.59%; H 8.03%; N 8.58%; O 9.80%

Biological Source: Minor congener of Quinine found in *Cinchona* spp., also from *Remijia pedunculata* (Rubiaceae)

Use/Importance: Antimalarial

Physical Description: Needles (Et_2O or $CHCl_3$)

Melting Point: Mp 172°. Mp 169°

Optical Rotation: $[\alpha]_D -142.2$ (EtOH)

Aldrich: 33771-4

Fluka: 53955

>>Derivative: 10,11-Dihydro; hydrochloride

Melting Point: Mp 235-240° (anhyd.)

>>Derivative: 10,11-Dihydro, Me ether

Molecular Formula: $C_{21}H_{28}N_2O_2$

Molecular Weight: 340.464

Accurate Mass: 340.215078

Percentage Composition: C 74.08%; H 8.29%; N 8.23%; O 9.40%

Melting Point: Mp 93°