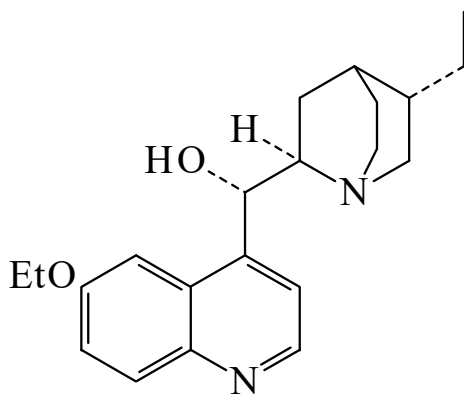




>>Entry Name: Ethylhydrocuprein

Synonym(s): 6'-Ethoxy-10,11-dihydrocinchonan-9-ol, 9Cl. Neumolisina. Neumolysin. Numoquin. Optochin. Optoquine



CAS Registry Number: 522-60-1

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%

Use/Importance: Antibacterial (ophthalmologic) agent

Physical Description: Bitter cryst.

Melting Point: Mp 123-128°

Optical Rotation: $[\alpha]_D^{25} -136.2$ (EtOH)

Calculated Log P Data: Log P 3.94 (calc)

Hazard & Toxicity: Eye irritant (rbt). LD_{Lo} (mus, orl) 400 mg/kg

Sigma: E8253

>>Derivative: Hydrochloride

CAS Registry Number: 3413-58-9

Physical Description: Rhombic cryst. (Me₂CO/Et₂O)

Melting Point: Mp 252-254°

Optical Rotation: $[\alpha]_D^{21} -123.6$ (H₂O)

Fluka: 4110

Sigma: E9876

References:

U.S. Pat., 1913, 1 062 203

Giemsa, G. *et al.*, *Ber.*, 1918, **51**, 1325, (*synth*)

Muir, K., *CA*, 1947, **41**, 4582, (*synth, pharmacol*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, ELC500; HHR700