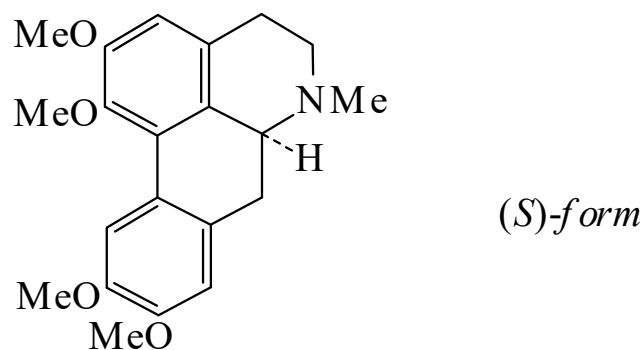




>>Entry Name: Glaucine

Synonym(s): 5,6,6a,7-Tetrahydro-1,2,9,10-tetramethoxy-6-methyl-4*H*-dibenzo[*de,g*]quinoline, 9Cl. 1,2,9,10-Tetramethoxyaporphine



(*S*)-form

Related CAS Registry Numbers(s): 73239-87-9

Molecular Formula: C₂₁H₂₅NO₄

Molecular Weight: 355.433

Accurate Mass: 355.178359

Percentage Composition: C 70.96%; H 7.09%; N 3.94%; O 18.01%

Use/Importance: Shows antithrombotic, analgesic and antiinflammatory activity. Antifungal agent. Produces narcosis and convulsions in animals, also hypotension and respiratory depression. Antitussive agent with similar potency to Codeine. Mild muscle relaxant

Calculated Log P Data: Log P 2.97 (uncertain value) (calc)

Hazard & Toxicity: BERDY HAZD : LD₅₀ (mus, ivn) 98 mg/kg

>>Variant: (*R*)-form

CAS Registry Number: 38325-02-9

Molecular Formula: C₂₁H₂₅NO₄

Molecular Weight: 355.433

Accurate Mass: 355.178359

Percentage Composition: C 70.96%; H 7.09%; N 3.94%; O 18.01%

Melting Point: Mp 124-125°

Optical Rotation: [α]_D -115.4 (EtOH aq.)

>>Variant: (*S*)-form

CAS Registry Number: 475-81-0

Molecular Formula: C₂₁H₂₅NO₄

Molecular Weight: 355.433

Accurate Mass: 355.178359

Percentage Composition: C 70.96%; H 7.09%; N 3.94%; O 18.01%

Biological Source: Alkaloid from a wide variety of genera in the Annonaceae (*Alphonsea*, *Annona*, *Polyalthia*, *Schefferomitra*, *Uvaria*), Berberidaceae (*Berberis*, *Mahonia*), Euphorbiaceae (*Croton*), Fumariaceae (*Corydalis*, *Dicentra*), Lauraceae (*Beilschmiedia*, *Ocotea*, *Litsea*), Magnoliaceae (*Liriodendron*, *Magnolia*), Menispermaceae (*Chasmanthera*), Papaveraceae (*Glaucium*, *Papaver*), Ranunculaceae (*Thalictrum*, *Aconitum*), Rhamnaceae (*Colubrina*) and Monimiaceae (*Hedycaria*)

Physical Description: Cryst. (EtOAc or petrol)

Melting Point: Mp 120-121°

Optical Rotation: [α]_D +116 (c, 0.75 in EtOH)

Calculated Log P Data: Log P 2.97 (uncertain value) (calc)

Other Data: Pharmacol. active isomer

Hazard & Toxicity: LD₅₀ (rat, orl) 545 mg/kg. LD₅₀ (rat, ipr) 143 mg/kg

Sigma: G3904

>>Derivative: Hydrobromide

Synonym(s): Bromcholitine. Glauvent. Tussiglaucin

CAS Registry Number: 5996-06-5

Physical Description: Cryst.

Melting Point: Mp 235°

>>Derivative: *N*-Me

Molecular Formula: C₂₂H₂₈NO₄⁽⁺⁾

Molecular Weight: 370.468

Accurate Mass: 370.201834

Percentage Composition: C 71.33%; H 7.62%; N 3.78%; O 17.27%

Melting Point: Mp 225-227 dec.° (as iodide)