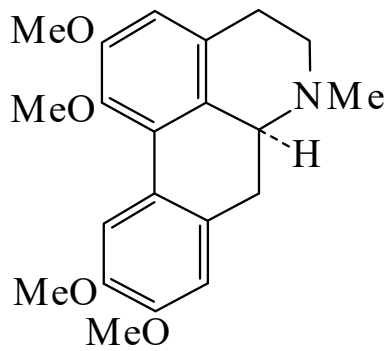
>>**Entry Name: Glaucine**
Synonym(s): 5,6,6*a*,7-Tetrahydro-1,2,9,10-tetramethoxy-6-methyl-4*H*-dibenzo[*de,g*]quinoline, 9Cl. 1,2,9,10-Tetramethoxyaporphine



(*S*)-*form*

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

Molecular Formula: $C_{21}H_{25}NO_4$
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 : LD_{50} (mus, ivn) 98 mg/kg

>>**Variant:** (*R*)-form

CAS Registry Number: 38325-02-9
Molecular Formula: $C_{21}H_{25}NO_4$
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: $[\alpha]_D$ –115.4 (EtOH aq.)

>>**Variant:** (*S*)-form

CAS Registry Number: 475-81-0

Molecular Formula: $C_{21}H_{25}NO_4$
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: $[\alpha]_D$ +116 (c, 0.75 in EtOH)
Calculated Log P Data: Log P 2.97 (uncertain value) (calc)
Other Data: Pharmacol. active isomer
Hazard & Toxicity: LD_{50} (rat, orl) 545 mg/kg. LD_{50} (rat, ipr) 143 mg/kg

Sigma: G3904

>>**Derivative:** Hydrobromide
Synonym(s): Bromcholitin. Glauvent. Tussiglaucin

CAS Registry Number: 5996-06-5
Physical Description: Cryst.
Melting Point: Mp 235°

>>**Derivative:** *N*-Me

Molecular Formula: $C_{22}H_{28}NO_4^{(+)}$
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)