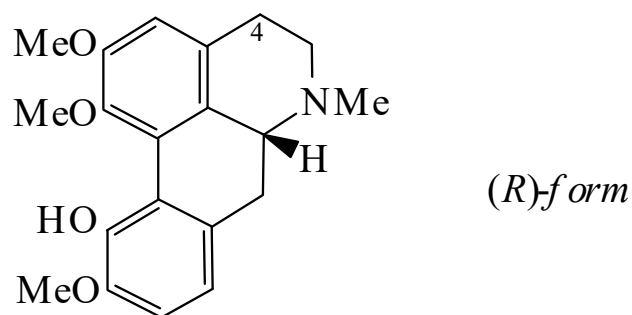




>>Entry Name: Isocorydine

Synonym(s): 11-Hydroxy-1,2,10-trimethoxyaporphine. Artabotrin. Luteanine‡



Molecular Formula: C₂₀H₂₃NO₄

Molecular Weight: 341.406

Accurate Mass: 341.162709

Percentage Composition: C 70.36%; H 6.79%; N 4.10%; O 18.75%

>>Variant: (R)-form

CAS Registry Number: 55056-91-2

Molecular Formula: C₂₀H₂₃NO₄

Molecular Weight: 341.406

Accurate Mass: 341.162709

Percentage Composition: C 70.36%; H 6.79%; N 4.10%; O 18.75%

Biological Source: Alkaloid from leaves of *Annona senegalensis* (Annonaceae)

Physical Description: Amorph. powder

Melting Point: Mp 78-80°

Optical Rotation: $[\alpha]_D^{25} -190$ (c, 0.02 in CHCl₃)

>>Derivative: α -N-Oxide

Synonym(s): Isocorydine N-oxide

CAS Registry Number: 25405-80-5

Molecular Formula: C₂₀H₂₃NO₅

Molecular Weight: 357.405

Accurate Mass: 357.157624

Percentage Composition: C 67.21%; H 6.49%; N 3.92%; O 22.38%

Biological Source: Alkaloid from *Miliusia relutina*, *Glaucium corniculative*, *Berberis integerrima* (Berberidaceae)

Physical Description: Amorph. solid or gum

Melting Point: Mp 228-229° (as hydrochloride)

UV: [neutral] $\lambda_{\max}$ 221 (log ϵ 4.31); 268 (log ϵ 3.87); 306 (log ϵ 3.46) (MeOH)

Other Data: The *M. velutina* isolate (confusingly called (–)-Isocorydine N-oxide by the authors), to which the opt. rotn. refers, is the only isolate with determined stereochem. It appears to have different stereochem from the *B. integerrima* isolate (no opt. rotn. reported) to which the Mp refers.

>>Derivative: N-De-Me

CAS Registry Number: 194923-28-9

Molecular Formula: C₁₉H₂₁NO₄

Molecular Weight: 327.379

Accurate Mass: 327.147059

Percentage Composition: C 69.71%; H 6.47%; N 4.28%; O 19.55%

Biological Source: Alkaloid from *Annona cherimola* (Annonaceae)

Physical Description: Brown powder

Melting Point: Mp 200-203°

Optical Rotation: $[\alpha]_D^{24} -46$ (c, 0.5 in CHCl₃)

UV: [neutral] $\lambda_{\max}$ 223 (); 265 (); 309 () (no solvent reported)

>>Variant: (S)-form

CAS Registry Number: 475-67-2