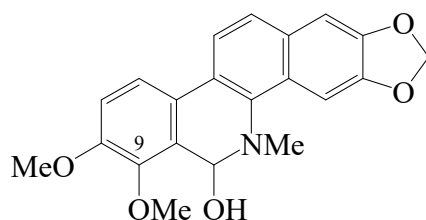




>>Entry Name: 8-Hydroxydihydrochelerythrine



CAS Registry Number: 4070-42-2

Molecular Formula: C₂₁H₁₉NO₅

Molecular Weight: 365.385

Accurate Mass: 365.126324

Percentage Composition: C 69.03%; H 5.24%; N 3.83%; O 21.89%

Biological Source: Alkaloid from the roots of *Toddalia asiatica* (Rutaceae)

>>Derivative: Ac

CAS Registry Number: 55438-12-5

Physical Description: Cryst. (CH₂Cl₂/Et₂O)

Melting Point: Mp 145°

>>Derivative: Me ether

Synonym(s): Angoline. 12,13-Dihydro-1,2,13-trimethoxy-12-methyl[1,3]benzodioxolo[5,6-*c*]phenanthridine, 9Cl. 9-Methoxychelerythrine. 8-Methoxydihydrochelerythrine. 6-*O*-Methyldihydrochelerythrine. 11-*O*-Methyldihydrochelerythrine. Alkaloid P61. Chelerythrine pseudomethanolate

CAS Registry Number: 21080-31-9

Molecular Formula: C₂₂H₂₁NO₅

Molecular Weight: 379.412

Accurate Mass: 379.141974

Percentage Composition: C 69.65%; H 5.58%; N 3.69%; O 21.08%

Biological Source: Alkaloid from *Bocconia arborea*, *Toddalia asiatica*, *Hunnemannia fumariaefolia*, *Fagara angolensis*, *Fagara tessmannii*, *Fagara viridis*, *Fagara chalybea*, *Fagara leprieurii*, *Fagara macrophylla* and *Fagara xanthoxyloides* (Papaveraceae, Rutaceae)

Physical Description: Cryst. (CHCl₃/MeOH)

Melting Point: Mp 210° (176°)

Optical Rotation: [α]_D 0

Other Data: Prob. artifact

>>Derivative: Et ether

Synonym(s): 8-Ethoxydihydrochelerythrine. 9-Ethoxychelerythrine. Chelerythrine pseudoethanolate. Alkaloid A₂. Artarine

CAS Registry Number: 28974-35-8

Extra CAS Registry Numbers(s): 125226-39-3

Molecular Formula: C₂₃H₂₃NO₅

Molecular Weight: 393.438

Accurate Mass: 393.157624

Percentage Composition: C 70.22%; H 5.89%; N 3.56%; O 20.33%

Biological Source: Alkaloid from root bark of *Fagara xanthoxyloides* and *Fagara rubescens* and from roots of *Hunnemannia fumariaefolia* (Rutaceae, Papaveraceae)

Physical Description: Cryst. (EtOH)

Melting Point: Mp 200-202°. Mp 239-242° (double Mp)

Optical Rotation: [α]_D 0

>>Derivative: Me ether, *O*⁹-de-Me

Synonym(s): 9-Demethyl-8-methoxydihydrochelerythrine. 7-Demethyl-6-methoxy-5,6-dihydrocheleryrine

CAS Registry Number: 126234-22-8

Molecular Formula: C₂₁H₁₉NO₅

Molecular Weight: 365.385

Accurate Mass: 365.126324

Percentage Composition: C 69.03%; H 5.24%; N 3.83%; O 21.89%

Biological Source: Alkaloid from *Zanthoxylum nitidum* (Rutaceae)

Other Data: Assigned (*R*-) config.

References: