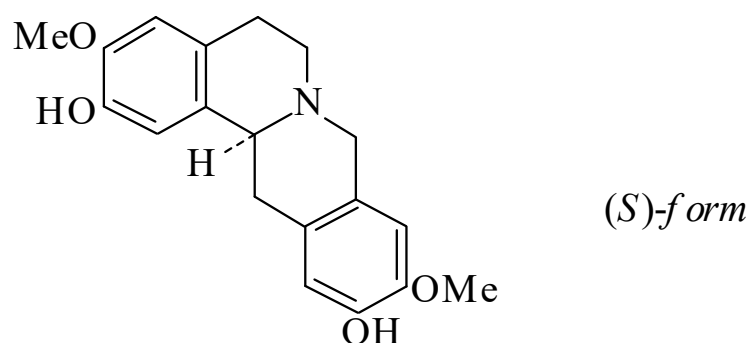




>>Entry Name: Coreximine

Synonym(s): Coramine. Alkaloid F29



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%

>>Variant: (*R*)-form

CAS Registry Number: 6719-49-9

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%

Source/Synthesis: Synthetic

Melting Point: Mp 254-256 dec.°

Optical Rotation: [α]_D²⁵+405 (c, 0.59 in Py)

>>Variant: (*S*)-form

CAS Registry Number: 483-45-4

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 *Dicentra eximia*, *Papaver somniferum* and *Corydalis* spp.(Fumariaceae, Papaveraceae)

Physical Description: Prisms (CHCl₃)

Melting Point: Mp 254-256°

Optical Rotation: [α]_D²⁵−420 (c, 0.69 in Py)

>>Derivative: *N*-Me

Synonym(s): Phellodendrine

CAS Registry Number: 6873-13-8

Molecular Formula: C₂₀H₂₄NO₄⁽⁺⁾

Molecular Weight: 342.414

Accurate Mass: 342.170534

Percentage Composition: C 70.15%; H 7.06%; N 4.09%; O 18.69%

Biological Source: Quaternary alkaloid from *Phellodendron amurense* (Rutaceae)

Physical Description: Prisms (as iodide)

Melting Point: Mp 258-258.5 dec.° (iodide)

Optical Rotation: [α]_D³⁰−130

>>Variant: (±)-form

CAS Registry Number: 6719-48-8

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%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 233-234°