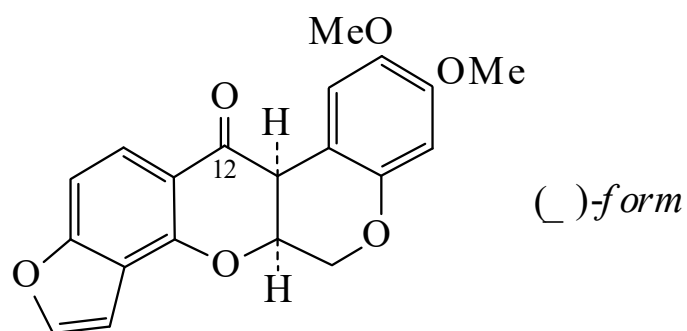




>>Entry Name: Elliptone

ENTRY UNDER REVIEW

Synonym(s): 12,12a-Dihydro-8,9-dimethoxy[1]benzopyrano[3,4-*b*]furo[2,3-*h*][1]benzopyran-6(6*aH*)-one, 9Cl. Derride



Molecular Formula: C₂₀H₁₆O₆

Molecular Weight: 352.343

Accurate Mass: 352.09469

Percentage Composition: C 68.18%; H 4.58%; O 27.25%

>>Variant: (–)-form

CAS Registry Number: 478-10-4

Type of Compound Code(s): VK3200

Molecular Formula: C₂₀H₁₆O₆

Molecular Weight: 352.343

Accurate Mass: 352.09469

Percentage Composition: C 68.18%; H 4.58%; O 27.25%

Biological Source: Constit. of roots of *Derris elliptica*. Also isol. from *Derris malaccensis*, *Crotalaria burhia*, *Crotalaria medicaginea*, *Tephrosia falciformis*, *Tephrosia purpurea*, *Tephrosia strigosa*, *Tephrosia rogelii* and *Lonchocarpus* spp. (all Leguminosae, Papilionoideae)

Physical Description: Needles (EtOH)

Melting Point: Mp 160°. Mp 171-172 177-178° (affected by type of glass used)

Optical Rotation: $[\alpha]_D^{25} -18.5$ (c, 1.0 in C₆H₆)

>>Derivative: 12*R*-Alcohol

Synonym(s): Elliptinol‡

CAS Registry Number: 123154-79-0

Type of Compound Code(s): VK3200

Molecular Formula: C₂₀H₁₈O₆

Molecular Weight: 354.359

Accurate Mass: 354.11034

Percentage Composition: C 67.79%; H 5.12%; O 27.09%

Biological Source: Isol. from the roots of *Derris elliptica*

Physical Description: Gum

Optical Rotation: $[\alpha]_D^{24} -14.7$ (c, 0.15 in CHCl₃)

>>Derivative: 12*S*-Alcohol, Ac

Synonym(s): 12α-Acetoxy-12-deoxoelliptone. 12*S*-Acetylleiptinol

CAS Registry Number: 150226-21-4

Type of Compound Code(s): VK3200

Molecular Formula: C₂₂H₂₀O₇

Molecular Weight: 396.396

Accurate Mass: 396.120905

Percentage Composition: C 66.66%; H 5.09%; O 28.25%

Biological Source: Constit. of *Derris oblonga*

Physical Description: Needles (MeOH)

Melting Point: Mp 150-152°

Optical Rotation: $[\alpha]_D^{20} -304$ (c, 0.5 in CHCl₃)

>>Variant: (±)-form

Molecular Formula: C₂₀H₁₆O₆

Molecular Weight: 352.343

Accurate Mass: 352.09469

Percentage Composition: C 68.18%; H 4.58%; O 27.25%

Physical Description: Needles (EtOH)

Melting Point: Mp 183°