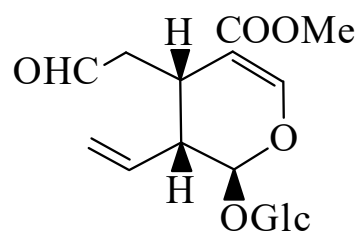




>>Entry Name: Secologanin

Synonym(s): Loniceroside



CAS Registry Number: 19351-63-4

Molecular Formula: C₁₇H₂₄O₁₀

Molecular Weight: 388.371

Accurate Mass: 388.13695

Percentage Composition: C 52.58%; H 6.23%; O 41.20%

Biological Source: Constit. of *Strychnos nux-vomica*, and *Lonicera morrowii*

Use/Importance: Precursor of indole alkaloids

Physical Description: Oil

Optical Rotation: [α]_D -96 (MeOH)

Solubility: BERDY SOL: Sol. MeOH; poorly sol. hexane

UV: [neutral] $\lambda_{\max}$ 235 (ϵ 9100) (MeOH) (Berdy)

>>Derivative: Tetra-Ac

Physical Description: Cryst.

Melting Point: Mp 115-116°

Optical Rotation: [α]_D -102 (c, 1 in CHCl₃)

>>Derivative: Ethylene acetal, tetra-Ac

CAS Registry Number: 79409-46-4

Molecular Formula: C₂₇H₃₆O₁₅

Molecular Weight: 600.572

Accurate Mass: 600.205425

Percentage Composition: C 54.00%; H 6.04%; O 39.96%

Physical Description: Cryst.

Melting Point: Mp 122-125°

Optical Rotation: [α]_D²⁰ -99 (c, 1 in MeOH)

Sigma: S5019

References:

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