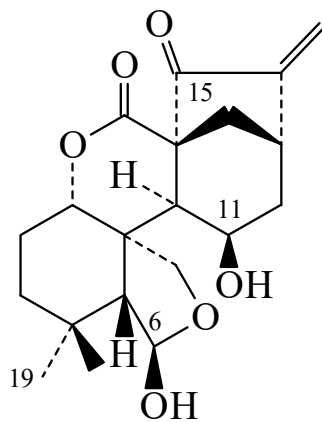




>>Entry Name: Nodosin

Synonym(s): 13-Deoxy-5-hydroxyenmein, 9Cl



CAS Registry Number: 10391-09-0

Related CAS Registry Numbers(s): 20086-60-6

Molecular Formula: C₂₀H₂₆O₆

Molecular Weight: 362.422

Accurate Mass: 362.17294

Percentage Composition: C 66.28%; H 7.23%; O 26.49%

Biological Source: Bitter principle from *Isodon trichocarpus* and *Isodon japonicus*

Use/Importance: Shows activity against gram-positive bacteria. Insect growth inhibitor

Physical Description: Cryst.

Melting Point: Mp 275-280 dec.°

Optical Rotation: $[\alpha]_D^{17} -203$

UV: [neutral] $\lambda_{\max}$ 233 (ϵ 5890) (MeOH) (Berdy) [neutral] $\lambda_{\max}$ 270 (ϵ 7100) (EtOH) (Berdy)

>>Derivative: O⁶-Me

Synonym(s): Nervosin

CAS Registry Number: 91423-48-2

Molecular Formula: C₂₁H₂₈O₆

Molecular Weight: 376.449

Accurate Mass: 376.18859

Percentage Composition: C 67.00%; H 7.50%; O 25.50%

Biological Source: Constit. of *Rabdosia nervosa*

>>Derivative: O⁶-Et

Synonym(s): Ganervosin B

CAS Registry Number: 124817-45-4

Molecular Formula: C₂₂H₃₀O₆

Molecular Weight: 390.475

Accurate Mass: 390.20424

Percentage Composition: C 67.67%; H 7.74%; O 24.58%

Biological Source: Isol. from *Rabdosia nervosa*

Other Data: Shown in the paper as the enantiomer, but the abs. config. was not detd. and is prob. as shown here

>>Derivative: 15 α -Alcohol

Synonym(s): Dihydronodosin

CAS Registry Number: 166020-98-0

Molecular Formula: C₂₀H₂₈O₆

Molecular Weight: 364.438

Percentage Composition: C 65.92%; H 7.74%; O 26.34%

Physical Description: Amorph. powder

Optical Rotation: $[\alpha]_D^{20} -136.2$ (c, 1.44 in CHCl₃)

>>Derivative: 15 α -Alcohol, 6,15-di-Ac

Synonym(s): Longirabdolide D

CAS Registry Number: 166334-38-9