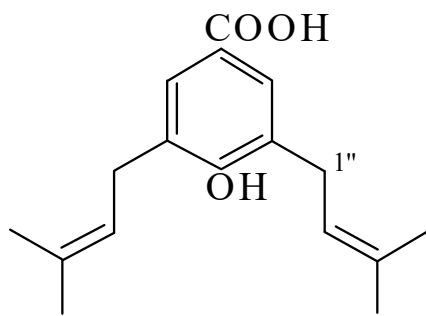




>>Entry Name: 4-Hydroxy-3,5-bis(3-methyl-2-butenyl)benzoic acid, 9CI, 8CI

Synonym(s): 4-Hydroxy-3,5-diprenylbenzoic acid. Nervogenic acid



CAS Registry Number: 17622-86-5

Molecular Formula: C₁₇H₂₂O₃

Molecular Weight: 274.359

Accurate Mass: 274.156895

Percentage Composition: C 74.42%; H 8.08%; O 17.49%

Biological Source: Isol. from *Liparis nervosa*. Found as glycosides, in *Anodendron affine*. Residue present in the alkaloids Kuramerine [CDF63-I](#) and Paludosine [CGM55-L](#).
Constit. of *Piper aduncum*

Melting Point: Mp 94-96°

>>Derivative: Me ester

Synonym(s): Methyl nervogenate

CAS Registry Number: 98969-33-6

Molecular Formula: C₁₈H₂₄O₃

Molecular Weight: 288.386

Accurate Mass: 288.172545

Percentage Composition: C 74.97%; H 8.39%; O 16.64%

Biological Source: Constit. of *Piper aduncum*

UV: [neutral] $\lambda_{\max}$ 245 (ϵ 25118) (MeOH) (Berdy)

>>Derivative: (S)-4-Isopropyl-1-methylcyclohexen-4-yl ester

Synonym(s): *p*-Menth-1-en-4-yl nervogenate

CAS Registry Number: 155051-82-4

Molecular Formula: C₂₇H₃₈O₃

Molecular Weight: 410.595

Accurate Mass: 410.282095

Percentage Composition: C 78.98%; H 9.33%; O 11.69%

Biological Source: Constit. of *Piper aduncum*

Physical Description: Oil

Optical Rotation: $[\alpha]_{\text{D}}^{20} +20$ (c, 0.48 in MeOH)

>>Derivative: *O*- β -D-Glucopyranoside

Synonym(s): Kurameric acid

Source/Synthesis: Hydrol. prod. of Kuramerine [CDF63-I](#)

Physical Description: Monohydrate

Melting Point: Mp 103-105°

>>Derivative: 4-*O*- β -D-Glucopyranoside, β -D-glucopyranosyl ester

Synonym(s): Anodendrosin B

CAS Registry Number: 98969-21-2

Molecular Formula: C₂₉H₄₂O₁₃

Molecular Weight: 598.643

Accurate Mass: 598.262545

Percentage Composition: C 58.18%; H 7.07%; O 34.74%

Biological Source: Isol. from *Anodendron affine*

Physical Description: Solid

Optical Rotation: $[\alpha]_{\text{D}}^{16} -15$ (c, 2.05 in MeOH)