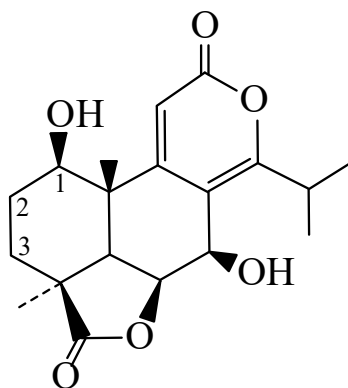




>>Entry Name: Nagilactone A



CAS Registry Number: 19891-50-0

Molecular Formula: $C_{19}H_{24}O_6$

Molecular Weight: 348.395

Accurate Mass: 348.15729

Percentage Composition: C 65.50%; H 6.94%; O 27.55%

Biological Source: Constit. of *Podocarpus nagi*

Use/Importance: Plant growth regulator, larvicide

Physical Description: Cryst.

Melting Point: Mp 305 subl.°

Optical Rotation: $[\alpha]_D +88.8$

UV: [neutral] λ_{max} 300 (ϵ 5200) (MeOH) (Derep) [neutral] λ_{max} 300 (ϵ 5200) (EtOH) (Berdy) [base] λ_{max} 370 () (EtOH-NaOH) (Berdy)

>>Derivative: 1-O- β -D-Glucopyranoside

Synonym(s): Nagilactoside B

Molecular Formula: $C_{25}H_{34}O_{11}$

Molecular Weight: 510.537

Accurate Mass: 510.210115

Percentage Composition: C 58.82%; H 6.71%; O 34.47%

Biological Source: Constit. of *Podocarpus nagi*

>>Derivative: 1-O-[β -D-Glucopyranosyl-(1 $\rightarrow$ 6)- β -D-glucopyranoside]

Synonym(s): Nagilactoside E

Molecular Formula: $C_{31}H_{44}O_{16}$

Molecular Weight: 672.679

Accurate Mass: 672.26294

Percentage Composition: C 55.35%; H 6.59%; O 38.06%

Biological Source: Constit. of *Podocarpus nagi*

Physical Description: Amorph. powder

Optical Rotation: $[\alpha]_D^{26} -12.7$ (c, 0.5 in H_2O)

>>Derivative: 2 β -Hydroxy

Synonym(s): Nagilactone B

CAS Registry Number: 19891-51-1

Molecular Formula: $C_{19}H_{24}O_7$

Molecular Weight: 364.394

Accurate Mass: 364.152205

Percentage Composition: C 62.63%; H 6.64%; O 30.73%

Biological Source: Constit. of *Podocarpus nagi*

Use/Importance: Plant growth regulator

Physical Description: Cryst.

Melting Point: Mp 258-261 dec.°

Optical Rotation: $[\alpha]_D +92.3$

UV: [neutral] λ_{max} 300 (ϵ 5200) (MeOH) (Derep) [neutral] λ_{max} 300 () (EtOH) (Berdy)

>>Derivative: 3 β -Hydroxy

Synonym(s): 3 β -Hydroxynagilactone A