



CAS Registry Number: 84573-16-0

Molecular Formula: C₂₉H₃₁NO₇

Molecular Weight: 505.566

Accurate Mass: 505.210054

Percentage Composition: C 68.90%; H 6.18%; N 2.77%; O 22.15%

Biological Source: Isol. from roots and stems of *Aglaia elliptifolia* and *Aglaia odorata*

Biological Use/Importance: Shows antileukaemic and insecticidal activities

Physical Description: Cryst. (MeOH)

Melting Point: Mp 129-130°

Optical Rotation: [α]_D²⁵ -96 (c, 1.00 in CHCl₃)

UV: [neutral] $\lambda_{\max}$ 211 (ϵ 55000); 234 (ϵ 19500); 275 (ϵ 2950) (EtOH) (Derep)

>>Derivative: 4-Hydroxybutylamide

CAS Registry Number: 194873-83-1

Molecular Formula: C₃₁H₃₅NO₈

Molecular Weight: 549.619

Accurate Mass: 549.236269

Percentage Composition: C 67.75%; H 6.42%; N 2.55%; O 23.29%

Biological Source: Constit. of *Aglaia elliptica*

Optical Rotation: [α]_D²⁰ -61.4 (c, 0.2 in CHCl₃)

>>Derivative: 4-Hydroxybutylamide, 1-Ac

CAS Registry Number: 194873-84-2

Molecular Formula: C₃₃H₃₇NO₉

Molecular Weight: 591.657

Accurate Mass: 591.246834

Percentage Composition: C 66.99%; H 6.30%; N 2.37%; O 24.34%

Biological Source: Constit. of *Aglaia elliptica*

Optical Rotation: [α]_D²⁰ -71.7 (c, 0.2 in CHCl₃)

>>Derivative: Tetrahydro-2-furanamide(R-)

CAS Registry Number: 194873-86-4

Molecular Formula: C₃₁H₃₃NO₈

Molecular Weight: 547.604

Accurate Mass: 547.220619

Percentage Composition: C 67.99%; H 6.07%; N 2.56%; O 23.37%

Biological Source: Constit. of *Aglaia elliptica*

Optical Rotation: [α]_D²⁰ -45.3 (c, 0.2 in CHCl₃)

>>Derivative: Tetrahydro-2-furanamide(S-)

CAS Registry Number: 194873-85-3

Molecular Formula: C₃₁H₃₃NO₈

Molecular Weight: 547.604

Accurate Mass: 547.220619

Percentage Composition: C 67.99%; H 6.07%; N 2.56%; O 23.37%

Biological Source: Constit. of *Aglaia elliptica*

Optical Rotation: [α]_D²⁰ -22.2 (c, 0.08 in CHCl₃)

>>Derivative: 1-O-Formyl, Me ester

Molecular Formula: C₂₉H₂₈O₉

Molecular Weight: 520.535

Accurate Mass: 520.173335

Percentage Composition: C 66.92%; H 5.42%; O 27.66%

Biological Source: Constit. of *Aglaia spectabilis*

Optical Rotation: [α]_D²⁰ -140.9 (c, 2.1 in EtOH)