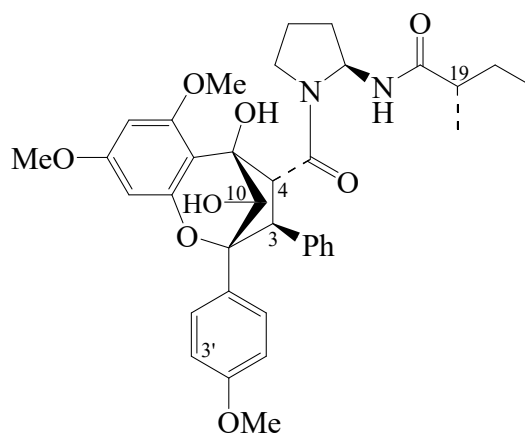




>>Entry Name: Aglaine B



CAS Registry Number: 177262-32-7

Molecular Formula: C₃₆H₄₂N₂O₈

Molecular Weight: 630.736

Accurate Mass: 630.294118

Percentage Composition: C 68.55%; H 6.71%; N 4.44%; O 20.29%

Biological Source: Alkaloid from *Aglaia argentea*

Physical Description: Amorph. powder

Optical Rotation: [α]_D²⁰ -10 (c, 1 in MeOH)

UV: [neutral] $\lambda_{\max}$ 272 (log ϵ 3.41) (MeOH)

>>Derivative: 3'-Hydroxy

Synonym(s): 3'-Hydroxyaglaine B

Molecular Formula: C₃₆H₄₂N₂O₉

Molecular Weight: 646.736

Accurate Mass: 646.289033

Percentage Composition: C 66.86%; H 6.55%; N 4.33%; O 22.26%

Biological Source: Alkaloid from *Aglaia odorata*

Optical Rotation: [α]_D²⁰ -11.4 (c, 0.25 in CHCl₃)

>>Derivative: 10-Epimer, 10-Ac

Synonym(s): Aglaine A

CAS Registry Number: 177262-31-6

Molecular Formula: C₃₈H₄₄N₂O₉

Molecular Weight: 672.774

Accurate Mass: 672.304683

Percentage Composition: C 67.84%; H 6.59%; N 4.16%; O 21.40%

Biological Source: Alkaloid from *Aglaia argentea* and *Aglaia forbesii*

Physical Description: Amorph. powder

Optical Rotation: [α]_D²⁰ -8 (c, 1 in MeOH)

UV: [neutral] $\lambda_{\max}$ 272 (log ϵ 3.6) (MeOH)

>>Derivative: 10-Epimer, 19,20-didehydro(*E*-)

Synonym(s): Elliptifoline

Molecular Formula: C₃₆H₄₀N₂O₈

Molecular Weight: 628.721

Accurate Mass: 628.278468

Percentage Composition: C 68.77%; H 6.41%; N 4.46%; O 20.36%

Biological Source: Alkaloid from *Aglaia elliptifolia*

Biological Use/Importance: Cytotoxic agent

Physical Description: Powder

Melting Point: Mp 184-185°

Optical Rotation: [α]_D²² -88.9 (c, 0.6 in CHCl₃)

UV: [neutral] $\lambda_{\max}$ 273 (log ϵ 3.36) (MeOH)