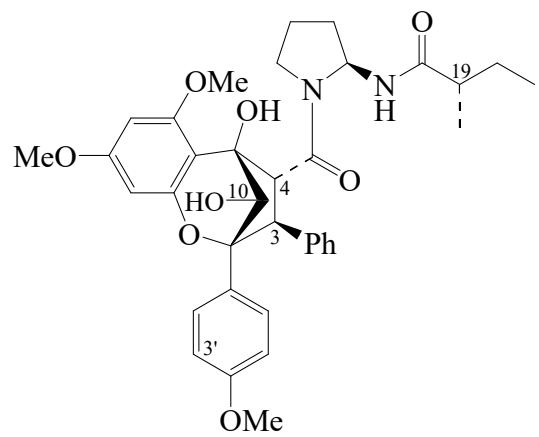
>>**Entry Name: Aglaine B**



CAS Registry Number: 177262-32-7

Molecular Formula: $C_{36}H_{42}N_2O_8$
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: $[\alpha]_D^{20}$–10 (c, 1 in MeOH)
UV: [neutral] λ_{max} 272 (log ε 3.41) (MeOH)

>>**Derivative:** 3'-Hydroxy
Synonym(s): 3'-Hydroxyaglaine B

Molecular Formula: $C_{36}H_{42}N_2O_9$
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: $[\alpha]_D^{20}$–11.4 (c, 0.25 in $CHCl_3$)

>>**Derivative:** 10-Epimer, 10-Ac
Synonym(s): Aglaine A

CAS Registry Number: 177262-31-6

Molecular Formula: $C_{38}H_{44}N_2O_9$
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: $[\alpha]_D^{20}$–8 (c, 1 in MeOH)
UV: [neutral] λ_{max} 272 (log ε 3.6) (MeOH)

>>**Derivative:** 10-Epimer, 19,20-didehydro(*E*–)
Synonym(s): Elliptifoline

Molecular Formula: $C_{36}H_{40}N_2O_8$
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: $[\alpha]_D^{22}$–88.9 (c, 0.6 in $CHCl_3$)
UV: [neutral] λ_{max} 273 (log ε 3.36) (MeOH)