



Percentage Composition: C 66.40%; H 5.17%; O 28.43%

Biological Source: Constit. of *Aglaia elliptica*

Physical Description: Amorph. powder

Optical Rotation: $[\alpha]_D^{20} -59.8$ (c, 0.1 in CHCl_3)

UV: [neutral] $\lambda_{\max}$ 209 (log ϵ 4.58); 239 (sh) (); 282 (log ϵ 2.47) (MeOH) [neutral] $\lambda_{\max}$ 209 (ϵ 38000); 282 (ϵ 295) (MeOH) (Berdy)

>>**Derivative:** 4'-Demethoxy, 3',4'-methylenedioxy, 1-*O*-formyl, Me ester

CAS Registry Number: 201212-35-3

Molecular Formula: $\text{C}_{29}\text{H}_{26}\text{O}_{10}$

Molecular Weight: 534.518

Accurate Mass: 534.1526

Percentage Composition: C 65.17%; H 4.90%; O 29.93%

Biological Source: Constit. of *Aglaia elliptica*

Physical Description: Amorph. powder

Optical Rotation: $[\alpha]_D^{20} -102$ (c, 0.4 in CHCl_3)

UV: [neutral] $\lambda_{\max}$ 210 (log ϵ 4.34); 284 (log ϵ 3.12) (MeOH)

>>**Derivative:** 4'-Demethoxy, 3',4'-methylenedioxy, 1-Ac, Me ester

Molecular Formula: $\text{C}_{30}\text{H}_{28}\text{O}_{10}$

Molecular Weight: 548.545

Accurate Mass: 548.16825

Percentage Composition: C 65.69%; H 5.14%; O 29.17%

Biological Source: Constit. of *Aglaia spectabilis*

>>**Derivative:** Decarboxy

Synonym(s): Rocaglaol. Aglaiastatin A. Ferrugin

CAS Registry Number: 147059-46-9

Molecular Formula: $\text{C}_{26}\text{H}_{26}\text{O}_6$

Molecular Weight: 434.488

Accurate Mass: 434.17294

Percentage Composition: C 71.87%; H 6.03%; O 22.09%

Biological Source: Constit. of *Aglaia ferruginea* and *Aglaia odorata*

Biological Use/Importance: Oncogene function inhibitor, cytotoxic agent

Physical Description: Cryst. (Et_2O /hexane)

Melting Point: Mp 76-77°

Optical Rotation: $[\alpha]_D^{20} -125$ (c, 0.48 in CHCl_3)

UV: [neutral] $\lambda_{\max}$ 211 (ϵ 55000); 234 (ϵ 19500); 275 (ϵ 2950) (EtOH) (Derep) [neutral] $\lambda_{\max}$ 272 () (MeOH) (Berdy) [acid] $\lambda_{\max}$ 275 () (MeOH-HCl) (Berdy) [base] $\lambda_{\max}$ 273 () (MeOH- NaOH) (Berdy)

Other Data: Struct. of Ferrugin revised in 1998

Hazard & Toxicity: BERDY HAZD : LD_{50} (mus, ipr) 300 mg/kg

>>**Derivative:** Decarboxy, 3'-(3-*O*-methyl- α -L-rhamnopyranosyloxy)

CAS Registry Number: 194873-87-5

Molecular Formula: $\text{C}_{33}\text{H}_{38}\text{O}_{11}$

Molecular Weight: 610.657

Accurate Mass: 610.241415

Percentage Composition: C 64.91%; H 6.27%; O 28.82%

Biological Source: Constit. of *Aglaia harmsiana*

Optical Rotation: $[\alpha]_D^{20} -133$ (c, 0.2 in CHCl_3)

>>**Derivative:** Decarboxy, 3'-(2-*O*-acetyl-3-*O*-methyl- α -L-rhamnopyranosyloxy)

Molecular Formula: $\text{C}_{35}\text{H}_{40}\text{O}_{12}$

Molecular Weight: 652.694

Accurate Mass: 652.25198

Percentage Composition: C 64.41%; H 6.18%; O 29.42%

Biological Source: Constit. of *Aglaia laxiflora*

Biological Use/Importance: Cytotoxic agent

Physical Description: Cryst. (CHCl_3)

Melting Point: Mp 107-109°

Optical Rotation: $[\alpha]$