CAS Registry Number: 74148-51-9

Molecular Formula: $C_{25}H_{36}O_9$
Molecular Weight: 480.554
Accurate Mass: 480.235935
Percentage Composition: C 62.49%; H 7.55%; O 29.96%
Biological Source: Isol. from *Ailanthus excelsa*
Physical Description: Cryst. (MeOH)
Melting Point: Mp 268-270°

>>**Derivative:** 15-(2-Hydroxy-2-methylbutanoyl)
Synonym(s): Glaucarubin. β-Kirondrin

CAS Registry Number: 1448-23-3

Molecular Formula: $C_{25}H_{36}O_{10}$
Molecular Weight: 496.553
Accurate Mass: 496.23085
Percentage Composition: C 60.47%; H 7.31%; O 32.22%
Biological Source: Isol. from *Simarouba glauca* and *Perriera madagascariensis*
Use/Importance: Antiamoebic agent
Physical Description: Cryst.
Melting Point: Mp 250-255 dec.°
Optical Rotation: $[\alpha]_D^{25}$+69 (c, 0.6 in MeOH)
Calculated Log P Data: Log P –2.3 (uncertain value) (calc)
Hazard & Toxicity: BERDY HAZD : LD_{50} (rats, orl) 800 mg/kg , LD_{50} (mus, scu) 28 mg/kg

>>**Derivative:** 15-(2-Acetoxy-2-methylbutanoyl)
Synonym(s): 2'-Acetylglaucarubin

CAS Registry Number: 68703-93-5

Molecular Formula: $C_{27}H_{38}O_{11}$
Molecular Weight: 538.591
Accurate Mass: 538.241415
Percentage Composition: C 60.21%; H 7.11%; O 32.68%
Biological Source: Constit. of *Simarouba amara*
Physical Description: Cryst.
Melting Point: Mp 243-246°
Optical Rotation: $[\alpha]_D$ +29.5 (c, 1.1 in Py)
Solubility: BERDY SOL: Sol. MeOH, $CHCl_3$; poorly sol. H_2O
UV: [neutral] λ_{max} 240 (ε 10700) (EtOH) (Berdy)

>>**Derivative:** 2-Ketone
Synonym(s): Glaucarubolone

CAS Registry Number: 1990-01-8

Molecular Formula: $C_{20}H_{26}O_8$
Molecular Weight: 394.421
Accurate Mass: 394.16277
Percentage Composition: C 60.90%; H 6.64%; O 32.45%
Biological Source: Constit. of *Hannoa klaineana* and *Castela nicholsoni*
Physical Description: Cryst. (Me_2CO)
Melting Point: Mp 255-258°
Optical Rotation: $[\alpha]_D$ –34 (c, 1.5 in Py)
UV: [neutral] λ_{max} 240 (ε 9000) (EtOH) (Berdy)