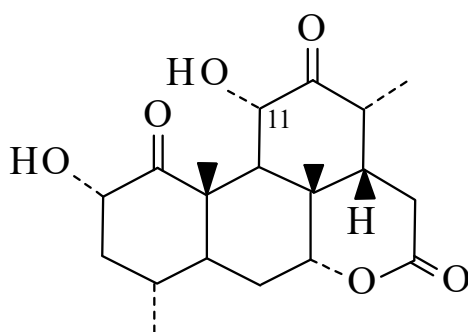




>>Entry Name: Amarolide



CAS Registry Number: 29913-86-8

Molecular Formula: $C_{20}H_{28}O_6$

Molecular Weight: 364.438

Accurate Mass: 364.18859

Percentage Composition: C 65.92%; H 7.74%; O 26.34%

Biological Source: Constit. of *Ailanthus glandulosa* and *Ailanthus altissima*

Physical Description: Cryst.

Melting Point: Mp 253-255°

Solubility: BERDY SOL: Sol. MeOH, $CHCl_3$; poorly sol. H_2O

UV: [neutral] λ_{max} (MeOH) (Berdy)

>>Derivative: 2-O- β -D-Glucopyranoside

Synonym(s): Shinjuglycoside D

CAS Registry Number: 93789-26-5

Molecular Formula: $C_{26}H_{38}O_{11}$

Molecular Weight: 526.58

Accurate Mass: 526.241415

Percentage Composition: C 59.30%; H 7.27%; O 33.42%

Biological Source: Constit. of *Ailanthus altissima*

Physical Description: Needles (MeOH)

Melting Point: Mp 282-284 dec.°

Optical Rotation: $[\alpha]_D^{20} -42$ (c, 1 in MeOH)

>>Derivative: 2-Ac

Synonym(s): 2-Acetylamarolide

Biological Source: Constit. of *Ailanthus glandulosa*

Physical Description: Cryst.

Melting Point: Mp 264-265°

Solubility: BERDY SOL: Sol. MeOH, $CHCl_3$; poorly sol. H_2O

>>Derivative: 11-Ac, 2-O- β -D-glucopyranoside

Synonym(s): Shinjuglycoside C

CAS Registry Number: 93789-25-4

Molecular Formula: $C_{28}H_{40}O_{12}$

Molecular Weight: 568.617

Accurate Mass: 568.25198

Percentage Composition: C 59.14%; H 7.09%; O 33.76%

Biological Source: Constit. of *Ailanthus altissima*

Physical Description: Amorph. solid

Melting Point: Mp 180-185 dec.°

Optical Rotation: $[\alpha]_D^{23} -37$ (c, 6.1 in MeOH)