



Synonym(s): Senburiside II

CAS Registry Number: 109770-92-5

Molecular Formula: C₃₀H₃₂O₁₄

Molecular Weight: 616.574

Accurate Mass: 616.17921

Percentage Composition: C 58.44%; H 5.23%; O 36.33%

Biological Source: Constit. of *Swertia japonica*

Optical Rotation: [α]_D²² -88.6 (c, 0.79 in MeOH)

>> **Derivative:** 8-Epimer

Synonym(s): 8-Epiloganic acid

CAS Registry Number: 82509-41-9

Molecular Formula: C₁₆H₂₄O₁₀

Molecular Weight: 376.36

Accurate Mass: 376.13695

Percentage Composition: C 51.06%; H 6.43%; O 42.51%

Biological Source: Constit. of *Rehmannia glutinosa* var. *purpurea*, *Cistanche salsa* and *Linaria cymbalaria*. Component of Gan Di Huang, Rou Cong Rong and Di Huang

Physical Description: Needles

Melting Point: Mp 211-213°

Optical Rotation: [α]_D²⁸ -63.7 (c, 0.21 in Py)

>> **Derivative:** 8-Epimer, Me ester

Synonym(s): 8-Epiloganin. 8-*epi*-Loganin

CAS Registry Number: 79172-04-6

Molecular Formula: C₁₇H₂₆O₁₀

Molecular Weight: 390.386

Accurate Mass: 390.1526

Percentage Composition: C 52.30%; H 6.71%; O 40.98%

Biological Source: Constit. of *Odontites verna* and other plant spp.

Physical Description: Amorph. powder

Optical Rotation: [α]_D²⁵ -100.9 (c, 1.7 in MeOH)

UV: [neutral] $\lambda_{\max}$ 226 (log ϵ 3.98); 296 (log ϵ 4.07) (MeOH)

>> **Derivative:** 8-Epimer, β -D-glucopyranosyl ester

Synonym(s): Gmephiloside

CAS Registry Number: 288626-61-9

Molecular Formula: C₂₂H₃₄O₁₅

Molecular Weight: 538.502

Accurate Mass: 538.189775

Percentage Composition: C 49.07%; H 6.36%; O 44.57%

Biological Source: Constit. of *Gmelina philippensis*

Physical Description: Amorph. powder

>> **Derivative:** 8-Epimer, 7-*O*-(5-phenyl-2,4-pentadienoyl)(*E,E*-)

Synonym(s): 7-*O*-(5-Phenyl-2,4-pentadienoyl)-8-epiloganic acid

Extra CAS Registry Numbers(s): 97857-27-7

Molecular Formula: C₂₇H₃₂O₁₁

Molecular Weight: 532.543

Accurate Mass: 532.194465

Percentage Composition: C 60.90%; H 6.06%; O 33.05%

Biological Source: Constit. of *Avicennia marina*

UV: [neutral] $\lambda_{\max}$ 308 (log ϵ 4.3) (MeOH)

Other Data: Isol. as Me ester

>> **Derivative:** 8-Epimer, 7-(4-hydroxybenzoyl)

Synonym(s): 7-*p*-Hydroxybenzoyl-8-epiloganic acid