



Synonym(s): Persicogenin 3'-glucoside

Molecular Formula: C₂₃H₂₆O₁₁

Molecular Weight: 478.452

Accurate Mass: 478.147515

Percentage Composition: C 57.74%; H 5.48%; O 36.78%

Biological Source: Isol. from the stem bark of *Prunus amygdalus*

Physical Description: Needles (MeOH)

Melting Point: Mp 204-205°

Optical Rotation: [α]_D²⁴ -37.2 (c, 0.1 in DMSO)

>> **Derivative:** 4',7-Di-Me ether, 5-O- β -D-glucopyranoside

Synonym(s): Persicoside. Persiconin

CAS Registry Number: 28978-03-2

Molecular Formula: C₂₃H₂₆O₁₁

Molecular Weight: 478.452

Accurate Mass: 478.147515

Percentage Composition: C 57.74%; H 5.48%; O 36.78%

Biological Source: Isol. from *Persica vulgaris* and *Prunus* sp.

Physical Description: Needles (EtOH)

Melting Point: Mp 258-260°

Optical Rotation: [α]_D -112.8 (EtOH)

>> **Derivative:** 3',4',7-Tri-Me ether

Synonym(s): 5-Hydroxy-3',4',7-trimethoxyflavanone

CAS Registry Number: 70987-96-1

Molecular Formula: C₁₈H₁₈O₆

Molecular Weight: 330.337

Accurate Mass: 330.11034

Percentage Composition: C 65.45%; H 5.49%; O 29.06%

Biological Source: Isol. from *Cheilanthes argentea* and *Notholaena fendleri*

Physical Description: Cryst. (EtOH)

Melting Point: Mp 156°

>> **Derivative:** 3',5,7-Tri-Me ether, 4'-O- β -D-glucopyranoside

CAS Registry Number: 112503-96-5

Molecular Formula: C₂₄H₂₈O₁₁

Molecular Weight: 492.479

Accurate Mass: 492.163165

Percentage Composition: C 58.53%; H 5.73%; O 35.74%

Biological Source: Constit. of *Viscum album*

Physical Description: Powder

Melting Point: Mp 146-149°

Optical Rotation: [α]_D²⁵ -43 (c, 0.3 in MeOH/Me₂CO)

>> **Derivative:** 4'-O-(3-Methyl-2-butenyl)

Synonym(s): 3',5,7-Trihydroxy-4'-prenyloxyflavanone. **Monotesone A**

Molecular Formula: C₂₀H₂₀O₆

Molecular Weight: 356.374

Accurate Mass: 356.12599

Percentage Composition: C 67.41%; H 5.66%; O 26.94%

Biological Source: Constit. of *Monotes engleri*

Melting Point: Mp 81-83°

Optical Rotation: [α]_D²³ -24.7 (c, 0.3 in MeOH)

UV: [neutral] $\lambda_{\max}$ 220 (log ϵ 4.29); 225 (sh) (log ϵ 4.27); 288 (log ϵ 4.15); 328 (log ϵ 3.33) (MeOH) [neutral] $\lambda_{\max}$ 220 (ϵ 19500); 288 (ϵ 14125); 328 (ϵ 2140) (MeOH) (Berdy) [base] $\lambda_{\max}$ 324 () (MeOH-NAOH) (Berdy)