



CAS Registry Number: 14941-08-3

Molecular Formula: C₂₈H₃₄O₁₄

Molecular Weight: 594.568

Accurate Mass: 594.19486

Percentage Composition: C 56.56%; H 5.76%; O 37.67%

Biological Source: Isol. from *Calamintha nepeta*, *Citrus* spp., *Acinos* spp., *Eremocitrus glauca*, *Mirocitrus* spp., and others

Physical Description: Cryst. (MeOH)

Melting Point: Mp 210-211°

Optical Rotation: [α]_D -81.7 (c, 1 in DMF)

>> **Derivative:** 7-Rutinoside

Synonym(s): Neoponcirin. Didymine

CAS Registry Number: 14259-47-3

Molecular Formula: C₂₈H₃₄O₁₄

Molecular Weight: 594.568

Accurate Mass: 594.19486

Percentage Composition: C 56.56%; H 5.76%; O 37.67%

Biological Source: From leaves of *Monarda didyma*, from *Acinos alpinus* and *Citrus* spp.

Physical Description: Fine needles (MeOH)

Melting Point: Mp 211-213°

Optical Rotation: [α]_D²⁶ -105.3 (c, 1.44 in MeOH)

>> **Derivative:** 7-O-[α -L-Rhamnopyranosyl-(1 $\rightarrow$ 4)- β -D-glucopyranoside]

Synonym(s): Acinoside

Molecular Formula: C₂₈H₃₄O₁₄

Molecular Weight: 594.568

Accurate Mass: 594.19486

Percentage Composition: C 56.56%; H 5.76%; O 37.67%

Biological Source: Isol. from *Acinos* sp.

Melting Point: Mp 210-212°

Optical Rotation: [α]_D -80 (c, 0.5 in DMF)

>> **Derivative:** 7-O- α -L-Rhamnopyranoside

CAS Registry Number: 65615-47-6

Molecular Formula: C₂₂H₂₄O₉

Molecular Weight: 432.426

Accurate Mass: 432.142035

Percentage Composition: C 61.11%; H 5.59%; O 33.30%

Biological Source: Isol. from the stem bark of *Cassia renigera*

>> **Derivative:** 7-O- β -D-Galactopyranoside

Synonym(s): Puddumin B

CAS Registry Number: 28585-70-8

Molecular Formula: C₂₂H₂₄O₁₀

Molecular Weight: 448.426

Accurate Mass: 448.13695

Percentage Composition: C 58.93%; H 5.39%; O 35.68%

Biological Source: Isol. from *Prunus cerasoides*

Physical Description: Needles (MeOH)

Melting Point: Mp 178-179°

Optical Rotation: [α]_D²⁵ -51.6 (c, 1.2 in Py)

Other Data: Data given is for synthetic compd.

References: