



Optical Rotation: $[\alpha]_{\text{D}} -23$ (c, 1 in MeOH)

UV: [neutral] λ_{max} 268 (); 325 () (MeOH)

>>**Derivative:** 7-*O*-[α -L-Arabinopyranosyl-(1 $\rightarrow$?)]- α -L-rhamnopyranoside]

CAS Registry Number: 77208-29-8

Molecular Formula: C₂₇H₃₀O₁₃

Molecular Weight: 562.526

Accurate Mass: 562.168645

Percentage Composition: C 57.65%; H 5.38%; O 36.97%

Biological Source: Isol. from *Premna latifolia*

>>**Derivative:** 7-*O*-[α -L-Rhamnopyranosyl-(1 $\rightarrow$ 2)- α -L-arabinopyranoside]

Synonym(s): Premnoside A‡

CAS Registry Number: 102565-68-4

Molecular Formula: C₂₇H₃₀O₁₃

Molecular Weight: 562.526

Accurate Mass: 562.168645

Percentage Composition: C 57.65%; H 5.38%; O 36.97%

Biological Source: Constit. of the leaves of *Premna latifolia*

Melting Point: Mp 140-143° (as hexa-Ac)

>>**Derivative:** 7-*O*-[α -L-Rhamnopyranosyl-(1 $\rightarrow$ 6)- β -D-galactopyranoside]

Synonym(s): Acacetin 7-robinobioside

CAS Registry Number: 101759-25-5

Molecular Formula: C₂₈H₃₂O₁₄

Molecular Weight: 592.552

Accurate Mass: 592.17921

Percentage Composition: C 56.76%; H 5.44%; O 37.80%

Biological Source: Constit. of *Calamintha nepeta*

>>**Derivative:** 7-*O*-[α -L-Rhamnopyranosyl-(1 $\rightarrow$ 2)- β -D-glucopyranoside]

Synonym(s): Fortunellin. Acacetin 7-neohesperidoside

CAS Registry Number: 20633-93-6

Molecular Formula: C₂₈H₃₂O₁₄

Molecular Weight: 592.552

Accurate Mass: 592.17921

Percentage Composition: C 56.76%; H 5.44%; O 37.80%

Biological Source: Constit. of *Fortunella* spp. and *Otanthus maritimus*

Physical Description: Cryst. (MeOH aq.)

Melting Point: Mp 214-216°. Mp 237-240°

Optical Rotation: $[\alpha]_{\text{D}}^{24} -102.8$ (c, 0.87 in Py)

>>**Derivative:** 7-*O*-[α -L-Rhamnopyranosyl-(1 $\rightarrow$ 6)- β -D-glucopyranoside]

Synonym(s): Linarin‡. Acaciin. Buddleoflavonolside. Linaric acid. Acacetin 7-rutinoside

CAS Registry Number: 480-36-4

Molecular Formula: C₂₈H₃₂O₁₄

Molecular Weight: 592.552

Accurate Mass: 592.17921

Percentage Composition: C 56.76%; H 5.44%; O 37.80%

Biological Source: Occurs in *Linaria vulgaris*, *Robinia* and *Micromeria* spp. and other plants

Melting Point: Mp 272-276°

Optical Rotation: $[\alpha]_{\text{D}}^{24} -90.3$ (Py)