



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

Synonym(s): Apigenin 7-neohesperidoside. **Rhoifolin**. Rhoifoloside

CAS Registry Number: 17306-46-6

Molecular Formula: C₂₇H₃₀O₁₄

Molecular Weight: 578.526

Accurate Mass: 578.16356

Percentage Composition: C 56.06%; H 5.23%; O 38.72%

Biological Source: Isol. from *Chorisia* spp., *Citrus aurantium*, *Rhus succedanea* and many other plant spp.

Physical Description: Cryst. + 6H₂O (H₂O)

Melting Point: Mp 245° (anhyd. 205-208°). Mp 251-253°

Optical Rotation: [α]_D²⁹ -110 (c, 0.21 in MeOH)

Sigma: A8906

>>Derivative: 7-*O*-[α -L-Rhamnopyranosyl-(1 $\rightarrow$ 2)- β -D-glucopyranoside], 4'-*O*- β -D-glucopyranoside

Synonym(s): Rhoifolin 4-*O*-glucoside. Apigenin 7-neohesperidoside 4'-glucoside

CAS Registry Number: 31498-83-6

Molecular Formula: C₃₃H₄₀O₁₉

Molecular Weight: 740.668

Accurate Mass: 740.216385

Percentage Composition: C 53.51%; H 5.44%; O 41.04%

Biological Source: Isol. from *Hedwigia ciliata*

Physical Description: Yellowish needles (EtOH aq.)

Melting Point: Mp 212-214°

Optical Rotation: [α]_D²³ -98.5 (c, 1.12 in Py)

>>Derivative: 7-*O*-[α -L-Rhamnopyranosyl-(1 $\rightarrow$ 2)- β -D-glucopyranoside], 4'-*O*-[β -D-glucopyranosyl-(1 $\rightarrow$ 2)- β -D-glucopyranoside]

Synonym(s): Rhoifolin 4'-sophoroside. Apigenin 7-neohesperidoside 4'-sophoroside

CAS Registry Number: 70426-63-0

Molecular Formula: C₃₉H₅₀O₂₄

Molecular Weight: 902.81

Accurate Mass: 902.26921

Percentage Composition: C 51.89%; H 5.58%; O 42.53%

Biological Source: Isol. from *Hedwigia ciliata*

Optical Rotation: [α]_D²⁶ -63.2 (c, 1.24 in H₂O)

>>Derivative: 7-*O*-[6-*O*-Acetyl- α -L-rhamnopyranosyl-(1 $\rightarrow$ 2)- β -D-glucopyranoside]

Synonym(s): Euryanoside

CAS Registry Number: 125300-52-9

Molecular Formula: C₂₉H₃₂O₁₅

Molecular Weight: 620.563

Accurate Mass: 620.174125

Percentage Composition: C 56.13%; H 5.20%; O 38.67%

Biological Source: Isol. from *Eurya japonica*

Physical Description: Pale yellow needles + ½H₂O (MeOH)

Melting Point: Mp 195-196°

Optical Rotation: [α]_D -75.1 (c, 0.47 in Py)

>>Derivative: 7-*O*-[α -L-Rhamnopyranosyl-(1 $\rightarrow$ 2)-6-*O*-malonyl- β -D-glucopyranoside],

CAS Registry Number: 127350-66-7

Molecular Formula: C₃₀H₃₂O₁₇

Molecular Weight: 664.573

Accurate Mass: 664.163955

Percentage Composition: C 54.22%; H 4.85%; O 40.93%

Biological Source: Isol. from *Bryum pseudotriquetrum*