>>**Derivative:** 7-*O*-[α-L-Rhamnopyranosyl-(1→2)-β-D-glucopyranoside]
Synonym(s): Apigenin 7-neohesperidoside. **Rhoifolin.** Rhoifoloside

CAS Registry Number: 17306-46-6

Molecular Formula: $C_{27}H_{30}O_{14}$
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. + $6H_2O$ (H_2O)
Melting Point: Mp 245° (anhyd. 205-208°). Mp 251-253°
Optical Rotation: $[\alpha]_D^{29}$ –110 (c, 0.21 in MeOH)
Sigma: A8906

>>**Derivative:** 7-*O*-[α-L-Rhamnopyranosyl-(1→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: $C_{33}H_{40}O_{19}$
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: $[\alpha]_D^{23}$ –98.5 (c, 1.12 in Py)

>>**Derivative:** 7-*O*-[α-L-Rhamnopyranosyl-(1→2)-β-D-glucopyranoside], 4'-*O*-[β-D-glucopyranosyl-(1→2)-β-D-glucopyranoside]
Synonym(s): Rhoifolin 4'-sophoroside. Apigenin 7-neohesperidoside 4'-sophoroside

CAS Registry Number: 70426-63-0

Molecular Formula: $C_{39}H_{50}O_{24}$
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: $[\alpha]_D^{26}$ –63.2 (c, 1.24 in H_2O)

>>**Derivative:** 7-*O*-[6-*O*-Acetyl-α-L-rhamnopyranosyl-(1→2)-β-D-glucopyranoside]
Synonym(s): Euryanoside

CAS Registry Number: 125300-52-9

Molecular Formula: $C_{29}H_{32}O_{15}$
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 + ½H_2O (MeOH)
Melting Point: Mp 195-196°
Optical Rotation: $[\alpha]_D$ –75.1 (c, 0.47 in Py)

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

CAS Registry Number: 127350-66-7

Molecular Formula: $C_{30}H_{32}O_{17}$
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*