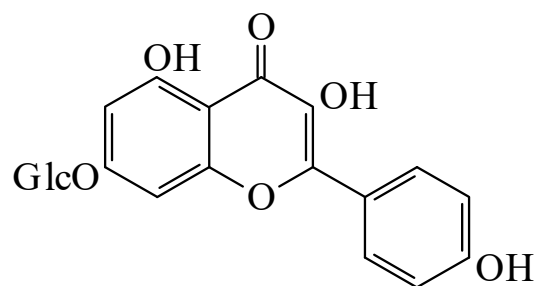




>>Entry Name: Populnin

Synonym(s): 7-*O*-β-D-Glucopyranosyloxy-3,4',5-trihydroxyflavone. Kaempferol 7-β-D-glucoside



CAS Registry Number: 16290-07-6

Related CAS Registry Numbers(s): 27661-49-0

Molecular Formula: C₂₁H₂₀O₁₁

Molecular Weight: 448.382

Accurate Mass: 448.100565

Percentage Composition: C 56.25%; H 4.50%; O 39.25%

Biological Source: Isol. from *Thespesia populnea* and many other plant spp.

Biological Use/Importance: Antiinflammatory agent

Physical Description: Cryst. (H₂O)

Melting Point: Mp 250°

Calculated Log P Data: Log P -2.28 (calc)

>>Derivative: 3-*O*-D-Xyloside

CAS Registry Number: 96751-10-9

Molecular Formula: C₂₆H₂₈O₁₅

Molecular Weight: 580.498

Accurate Mass: 580.142825

Percentage Composition: C 53.80%; H 4.86%; O 41.34%

Biological Source: Isol. from *Zinnia elegans*

>>Derivative: 2"-*O*-Rhamnopyranosyl

Synonym(s): Kaempferol 7-neohesperidoside

CAS Registry Number: 17353-03-6

Molecular Formula: C₂₇H₃₀O₁₅

Molecular Weight: 594.525

Accurate Mass: 594.158475

Percentage Composition: C 54.55%; H 5.09%; O 40.37%

Biological Source: Constit. of *Caralluma tuberculata* and *Teucrium polium*

Physical Description: Cryst. (MeOH aq.)

Melting Point: Mp 258-260° (255°)

>>Derivative: 3-*O*-α-L-Rhamnopyranoside

CAS Registry Number: 64323-49-5

Molecular Formula: C₂₇H₃₀O₁₅

Molecular Weight: 594.525

Accurate Mass: 594.158475

Percentage Composition: C 54.55%; H 5.09%; O 40.37%

Biological Source: Isol. from *Betula* spp. and other plant spp.

>>Derivative: 3-*O*-(6-*O*-Acetyl-β-D-glucopyranoside)

CAS Registry Number: 66465-23-4

Molecular Formula: C₂₉H₃₂O₁₇

Molecular Weight: 652.562

Accurate Mass: 652.163955

Percentage Composition: C 53.38%; H 4.94%; O 41.68%

Biological Source: Isol. from *Equisetum telmateja*

Physical Description: Yellow needles

Melting Point: Mp 243-244°