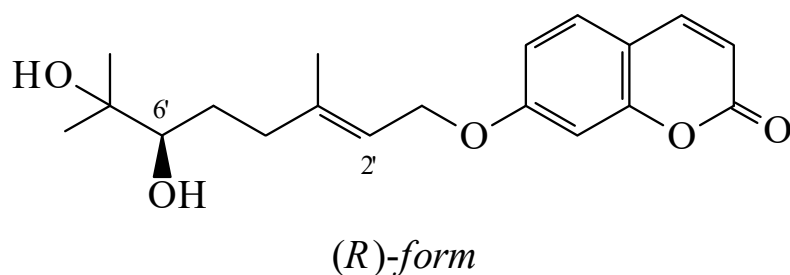




>>Entry Name: Marmin

ENTRY UNDER REVIEW

Synonym(s): 7-[(6,7-Dihydroxy-3,7-dimethyl-2-octenyl)oxy]-2*H*-1-benzopyran-2-one, 9Cl



Molecular Formula: C₁₉H₂₄O₅

Molecular Weight: 332.396

Accurate Mass: 332.162375

Percentage Composition: C 68.66%; H 7.28%; O 24.07%

>>Variant: (R)-form

CAS Registry Number: 14957-38-1

Molecular Formula: C₁₉H₂₄O₅

Molecular Weight: 332.396

Accurate Mass: 332.162375

Percentage Composition: C 68.66%; H 7.28%; O 24.07%

Biological Source: Constit. of *Aegle marmelos* trunk bark and grapefruit peel. Also from bark of *Fraxinus* spp.

Biological Use/Importance: Shows spasmolytic activity

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 123-124°

Optical Rotation: [α]_D +25 (EtOH)

>>Derivative: 6'-O- β -D-Glucopyranoside

Synonym(s): Diversoside

CAS Registry Number: 55062-36-7

Molecular Formula: C₂₅H₃₄O₁₀

Molecular Weight: 494.538

Accurate Mass: 494.2152

Percentage Composition: C 60.72%; H 6.93%; O 32.35%

Biological Source: From *Ferula diversivittata*

Physical Description: Cryst.

Melting Point: Mp 154-155°

Optical Rotation: [α]_D²⁰ +10 (EtOH)

>>Derivative: 6'-O-Angeloyl

Molecular Formula: C₂₄H₃₀O₆

Molecular Weight: 414.497

Accurate Mass: 414.20424

Percentage Composition: C 69.55%; H 7.29%; O 23.16%

Biological Source: Constit. of *Ferula malacophylla*

Physical Description: Oil

Optical Rotation: [α]_D²⁰ +19 (CHCl₃)

>>Derivative: 6'-O-(4-Geranyloxy-2-hydroxycinnamoyl)

Molecular Formula: C₃₈H₄₆O₈

Molecular Weight: 630.777

Accurate Mass: 630.31927

Percentage Composition: C 72.36%; H 7.35%; O 20.29%

Biological Source: Constit. of *Citrus hassaku* juice oil

Physical Description: Viscous oil

Optical Rotation: [α]_D²⁶ +72 (c, 1.0 in EtOH)