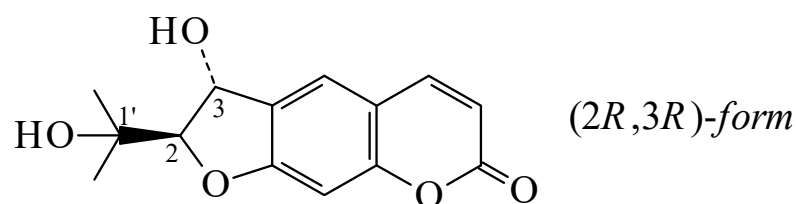




>>Entry Name: 2,3-Dihydro-3-hydroxy-2-(1-hydroxy-1-methylethyl)-7*H*-furo[3,2-*g*][1]benzopyran-7-one, 9CI



Molecular Formula: C₁₄H₁₄O₅

Molecular Weight: 262.262

Accurate Mass: 262.084125

Percentage Composition: C 64.12%; H 5.38%; O 30.50%

>>Variant: (2*R*,3*R*)-form

CAS Registry Number: 96647-80-2

Molecular Formula: C₁₄H₁₄O₅

Molecular Weight: 262.262

Accurate Mass: 262.084125

Percentage Composition: C 64.12%; H 5.38%; O 30.50%

Physical Description: Needles (EtOH)

Melting Point: Mp 152.5-154°

Optical Rotation: $[\alpha]_{\text{D}}^{24}$ -30.6 (Me₂CO)

>>Derivative: 1'-*O*-β-D-Galactopyranoside

Synonym(s): Decuroside V

CAS Registry Number: 96648-59-8

Molecular Formula: C₂₀H₂₄O₁₀

Molecular Weight: 424.404

Accurate Mass: 424.13695

Percentage Composition: C 56.60%; H 5.70%; O 37.70%

Biological Source: Constit. of *Peucedanum decursivum*

Physical Description: Needles (MeCN aq.)

Melting Point: Mp 143.5-145°

Optical Rotation: $[\alpha]_{\text{D}}^{24}$ +71.7 (c, 1.52 in MeOH)

>>Variant: (2*S*,3*R*)-form

Synonym(s): 3*R*-Hydroxymarmesin

CAS Registry Number: 87725-60-8

Molecular Formula: C₁₄H₁₄O₅

Molecular Weight: 262.262

Accurate Mass: 262.084125

Percentage Composition: C 64.12%; H 5.38%; O 30.50%

Biological Source: Constit. of *Brosimum gaudichaudii*

Melting Point: Mp 176° (softens at 159°)

Optical Rotation: $[\alpha]_{\text{D}}^{20}$ +43 (c, 0.2 in MeOH)

>>Derivative: 1'-*O*-β-D-Glucopyranoside

CAS Registry Number: 87592-77-6

Molecular Formula: C₂₀H₂₄O₁₀

Molecular Weight: 424.404

Accurate Mass: 424.13695

Percentage Composition: C 56.60%; H 5.70%; O 37.70%

Biological Source: Constit. of *Angelica archangelica*, *Cnidium monnieri* and *Glehnia littoralis*

Physical Description: Needles (MeOH)

Melting Point: Mp 267-269°

Optical Rotation: $[\alpha]_{\text{D}}^{22}$ -18 (c, 0.8 in Py)