



>>Derivative: 4-*O*-(*p*-Hydroxycinnamoyl- β -D-glucopyranoside)

Molecular Formula: C₃₀H₂₈O₁₂

Molecular Weight: 580.544

Accurate Mass: 580.15808

Percentage Composition: C 62.07%; H 4.86%; O 33.07%

Biological Source: Isol. from *Salix rubra*

Other Data: Posn. of coumaroyl substituent in glucose residue not detd.

>>Derivative: 4'-*O*- β -D-Glucopyranoside

CAS Registry Number: 25218-09-1

Molecular Formula: C₂₁H₂₂O₁₀

Molecular Weight: 434.399

Accurate Mass: 434.1213

Percentage Composition: C 58.06%; H 5.10%; O 36.83%

Biological Source: Isol. from *Sorghum* spp. and *Antirrhinum majus*

Melting Point: Mp 164-166°

>>Derivative: 2',4'-Di-*O*- β -D-glucopyranoside

CAS Registry Number: 6198-23-8

Molecular Formula: C₂₇H₃₂O₁₅

Molecular Weight: 596.541

Accurate Mass: 596.174125

Percentage Composition: C 54.36%; H 5.41%; O 40.23%

Biological Source: Constit. of the roots of *Asarum macranthum* and *Asarum canadense*

Physical Description: Yellow powder

Melting Point: Mp 191°

UV: [neutral] $\lambda_{\max}$ 243 (sh) (); 368 () (MeOH)

>>Derivative: 2'-*O*-[Rhamnosyl-(1 $\rightarrow$ 4)-xyloside]

CAS Registry Number: 82344-84-1

Molecular Formula: C₂₆H₃₀O₁₃

Molecular Weight: 550.515

Accurate Mass: 550.168645

Percentage Composition: C 56.73%; H 5.49%; O 37.78%

Biological Source: Pigment from *Acacia dealbata*

>>Derivative: 2'-Me ether

Synonym(s): 1-(2,4-Dihydroxy-6-methoxyphenyl)-3-(4-hydroxyphenyl)-2-propen-1-one. 2',4,4'-Trihydroxy-6'-methoxychalcone. **Helichrysetin**

CAS Registry Number: 62014-87-3

Molecular Formula: C₁₆H₁₄O₅

Molecular Weight: 286.284

Accurate Mass: 286.084125

Percentage Composition: C 67.13%; H 4.93%; O 27.94%

Biological Source: Constit. of *Helichrysum odoratissimum*, *Helichrysum heterolasium* and *Achyrocline flaccida*

Physical Description: Yellow-orange cryst. (CHCl₃)

Melting Point: Mp 248°

>>Derivative: 2'-Me ether, 4-*O*- β -D-glucopyranoside

CAS Registry Number: 155913-99-8

Molecular Formula: C₂₂H₂₄O₁₀

Molecular Weight: 448.426

Accurate Mass: 448.13695

Percentage Composition: C 58.93%; H 5.39%; O 35.68%

Biological Source: Constit. of the roots of *Pyracantha coccinea*

Physical Description: Yellow oil with fluor.