



Molecular Formula: C₂₈H₂₄O₁₇
Molecular Weight: 632.487
Accurate Mass: 632.101355
Percentage Composition: C 53.17%; H 3.82%; O 43.00%
Biological Source: Constit. of *Geranium pratense*
Optical Rotation: [α]_D²⁵ -65 (c, 0.17 in MeOH)
UV: [neutral] $\lambda_{\max}$ 267 (); 293 (sh) (); 361 () (MeOH)

>>**Derivative:** 3-*O*-[3,4,5-Trihydroxybenzoyl-($\rightarrow$ 6)- β -D-glucopyranoside]
Synonym(s): Myricetin 3-(6-galloyl)glucoside

CAS Registry Number: 56317-07-8

Molecular Formula: C₂₈H₂₄O₁₇
Molecular Weight: 632.487
Accurate Mass: 632.101355
Percentage Composition: C 53.17%; H 3.82%; O 43.00%
Biological Source: Isol. from *Liquidambar formosana*, *Sedum kamtschaticum* and *Tolmiea menziesii*

>>**Derivative:** 3'-*O*- β -D-Glucopyranoside
Synonym(s): Cannabiscitrin

CAS Registry Number: 520-14-9

Molecular Formula: C₂₁H₂₀O₁₃
Molecular Weight: 480.381
Accurate Mass: 480.090395
Percentage Composition: C 52.51%; H 4.20%; O 43.30%
Biological Source: Widespread, e.g. in *Thea sinensis*, *Corylopsis paniciflora*, *Ribes nigrum*
Use/Importance: Used as a 0.1% soln. in DMF or Me₂CO for fluorimetric detn. of Hf, Sc
Physical Description: Yellow cryst.
Melting Point: Mp 220° (softens at 210°)

>>**Derivative:** 7-*O*- β -D-Glucopyranoside

CAS Registry Number: 34069-06-2

Molecular Formula: C₂₁H₂₀O₁₃
Molecular Weight: 480.381
Accurate Mass: 480.090395
Percentage Composition: C 52.51%; H 4.20%; O 43.30%
Biological Source: Isol. from *Calophyllum inophyllum*, *Cassiope* spp., *Saxifraga* sp. and *Semecarpus* sp.
Physical Description: Yellow needles (MeOH/petrol)
Melting Point: Mp 238-240° (sinters at 216°)

>>**Derivative:** 7-*O*-[3,4,5-Trihydroxybenzoyl-($\rightarrow$ 6)- β -D-glucopyranoside]

Molecular Formula: C₂₈H₂₄O₁₇
Molecular Weight: 632.487
Accurate Mass: 632.101355
Percentage Composition: C 53.17%; H 3.82%; O 43.00%
Biological Source: Constit. of the pods of *Acacia farnesiana*
Physical Description: Yellow cryst.
Melting Point: Mp 238°

>>**Derivative:** 3,4'-Di-*O*- β -D-glucopyranoside
Synonym(s): Myricetin 3,4'-diglucoside

CAS Registry Number: 146501-37-3

Molecular Formula: C₂₇H₃₀O₁₈
Molecular Weight: 642.523
Accurate Mass: 642.14322
Percentage Composition: C 50.47%; H 4.71%; O 44.82%
Biological Source: Constit. of the needles of *Picea abies*