Molecular Formula: $C_{28}H_{24}O_{17}$
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: $[\alpha]_D^{25}$ –65 (c, 0.17 in MeOH)
UV: [neutral] λ_{max} 267 (); 293 (sh) (); 361 () (MeOH)

>>**Derivative:** 3-*O*-[3,4,5-Trihydroxybenzoyl-(→6)-β-D-glucopyranoside]
Synonym(s): Myricetin 3-(6-galloylglucoside)

CAS Registry Number: 56317-07-8

Molecular Formula: $C_{28}H_{24}O_{17}$
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: $C_{21}H_{20}O_{13}$
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 panciflora, Ribes nigrum*
Use/Importance: Used as a 0.1% soln. in DMF or Me_2CO 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: $C_{21}H_{20}O_{13}$
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-(→6)-β-D-glucopyranoside]

Molecular Formula: $C_{28}H_{24}O_{17}$
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: $C_{27}H_{30}O_{18}$
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*