



>>Derivative: 4',7-Di-*O*- α -L-rhamnofuranoside

CAS Registry Number: 35128-73-5

Molecular Formula: C₂₇H₃₀O₁₄

Molecular Weight: 578.526

Accurate Mass: 578.16356

Percentage Composition: C 56.06%; H 5.23%; O 38.72%

Biological Source: Isol. from *Atraphaxis pyrifolia*

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

CAS Registry Number: 10289-41-5

Molecular Formula: C₂₁H₂₀O₁₁

Molecular Weight: 448.382

Accurate Mass: 448.100565

Percentage Composition: C 56.25%; H 4.50%; O 39.25%

Biological Source: Isol. from leaves of *Haplopappus* spp.

Physical Description: No phys. props. reported

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

Synonym(s): Plantaginin

CAS Registry Number: 26046-94-6

Molecular Formula: C₂₁H₂₀O₁₁

Molecular Weight: 448.382

Accurate Mass: 448.100565

Percentage Composition: C 56.25%; H 4.50%; O 39.25%

Biological Source: Constit. of *Bryum weigeli*, *Plantago asiatica*, *Scutellaria*, *Juniperus* and others

Physical Description: Pale yellow powder (MeOH). Yellow needles + 2H₂O (MeOH)

Melting Point: Mp 213-215°

Optical Rotation: $[\alpha]_D^{26} -71.9$ (c, 0.51 in Py)

>>Derivative: 7-*O*-(6-*O*-Malonyl- β -D-glucopyranoside)

Synonym(s): Scutellerein 7-(6-malonylglucoside)

CAS Registry Number: 127350-67-8

Molecular Formula: C₂₄H₂₂O₁₄

Molecular Weight: 534.429

Accurate Mass: 534.10096

Percentage Composition: C 53.94%; H 4.15%; O 41.91%

Biological Source: Isol. from *Bryum pseudotriquetrum*

>>Derivative: 7-*O*-[3-Hydroxy-3-methylglutaroyl-(1 $\rightarrow$ 6)- β -D-glucopyranoside]

CAS Registry Number: 151750-82-2

Molecular Formula: C₂₇H₂₈O₁₅

Molecular Weight: 592.509

Accurate Mass: 592.142825

Percentage Composition: C 54.73%; H 4.76%; O 40.50%

Biological Source: Constit. of *Frullania muscicola*

>>Derivative: 5-*O*- β -D-Glucuronopyranoside

CAS Registry Number: 27740-02-9

Molecular Formula: C₂₁H₁₈O₁₂

Molecular Weight: 462.366

Accurate Mass: 462.07983

Percentage Composition: C 54.55%; H 3.92%; O 41.52%

Biological Source: Isol. from *Centaurea depressa* and *Millingtonia hortensis*

Biological Use/Importance: Possesses diuretic activity