



CAS Registry Number: 31106-05-5

Molecular Formula: C₂₁H₂₂O₁₂

Molecular Weight: 466.398

Accurate Mass: 466.11113

Percentage Composition: C 54.08%; H 4.75%; O 41.17%

Biological Source: Isol. from *Cedrus deodara*, *Pinus silvestris* and *Pseudotsuga menziesii*

Physical Description: Powder (H₂O)

Melting Point: Mp 203-209°

Optical Rotation: [α]_D²⁵ -23 (H₂O)

>> **Derivative:** 3'-O-(6-O-Phenylacetyl- β -D-glucopyranoside)

CAS Registry Number: 95519-27-0

Molecular Formula: C₂₉H₂₈O₁₃

Molecular Weight: 584.532

Accurate Mass: 584.152995

Percentage Composition: C 59.59%; H 4.83%; O 35.58%

Biological Source: Isol. from *Pinus massoniana*

Physical Description: Amorph.

Optical Rotation: [α]_D²² -21.6 (c, 0.9 in MeOH)

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

CAS Registry Number: 38690-65-2

Molecular Formula: C₂₁H₂₂O₁₂

Molecular Weight: 466.398

Accurate Mass: 466.11113

Percentage Composition: C 54.08%; H 4.75%; O 41.17%

Biological Source: Isol. from *Petunia hybrida* and *Urginea* sp.

Physical Description: Fine needles (MeOH aq. or H₂O)

Melting Point: Mp 218°

Optical Rotation: [α]_D²¹ -40.1 (MeOH)

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

CAS Registry Number: 106400-39-9

Molecular Formula: C₂₁H₂₂O₁₂

Molecular Weight: 466.398

Accurate Mass: 466.11113

Percentage Composition: C 54.08%; H 4.75%; O 41.17%

Biological Source: Constit. of the flowers of *Acacia latifolia*

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

CAS Registry Number: 14292-40-1

Molecular Formula: C₂₁H₂₂O₁₂

Molecular Weight: 466.398

Accurate Mass: 466.11113

Percentage Composition: C 54.08%; H 4.75%; O 41.17%

Biological Source: Isol. from *Podocarpus* spp., *Robinsonia gracilis* and *Sorghum* spp.

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

CAS Registry Number: 141736-93-8

Molecular Formula: C₂₇H₃₂O₁₇

Molecular Weight: 628.54

Accurate Mass: 628.163955

Percentage Composition: C 51.60%; H 5.13%; O 43.27%

Biological Source: Constit. of *Crotalaria prostrata*