



>>Derivative: 3'-O-(4-O-Acetyl-β-D-glucuronopyranoside)

Molecular Formula: C₂₃H₂₀O₁₃

Molecular Weight: 504.403

Accurate Mass: 504.090395

Percentage Composition: C 54.77%; H 4.00%; O 41.24%

Biological Source: Constit. of the leaves of *Rosmarinus officinalis*

Physical Description: Yellow powder

Melting Point: Mp 220-230 dec.°

>>Derivative: 3'-O-(O-Acetyl-β-D-glucuronopyranoside)

Molecular Formula: C₂₃H₂₀O₁₃

Molecular Weight: 504.403

Accurate Mass: 504.090395

Percentage Composition: C 54.77%; H 4.00%; O 41.24%

Biological Source: Isol. from *Rosmarinus officinalis*

Physical Description: Dark yellow powder

Melting Point: Mp 177-180°

>>Derivative: 4'-O-β-D-Glucuronopyranoside

Synonym(s): Luteolin 4'-glucuronide

CAS Registry Number: 53527-43-8

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 *Riccia fluitans*

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

Synonym(s): Luteolin 5-glucuronide

CAS Registry Number: 80358-01-6

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 *Torilis arvensis*

>>Derivative: 5-O-β-D-Glucuronopyranoside, Me ester

Molecular Formula: C₂₂H₂₀O₁₂

Molecular Weight: 476.393

Accurate Mass: 476.09548

Percentage Composition: C 55.47%; H 4.23%; O 40.30%

Biological Source: Constit. of the liverwort *Dumortiera hirsuta*

>>Derivative: 7-O-β-D-Glucuronopyranoside

Synonym(s): Luteolin 7-glucuronide

CAS Registry Number: 29741-10-4

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 *Antirrhinum majus*, *Chrysanthemum* sp., *Scutellaria* spp. and other plants