



Molecular Formula: C₂₁H₂₀O₁₂
Molecular Weight: 464.382
Accurate Mass: 464.09548
Percentage Composition: C 54.32%; H 4.34%; O 41.34%
Biological Source: Isol. from *Betula middendorfii*
Melting Point: Mp 235-238°
Optical Rotation: [α]_D -84 (c, 0.51 in formamide)
Other Data: Note confusing duplication of the name Isohyperoside

>>Derivative: 3-O- α -D-Galactopyranoside
Synonym(s): Isohyperoside‡

CAS Registry Number: 65549-68-0

Molecular Formula: C₂₁H₂₀O₁₂
Molecular Weight: 464.382
Accurate Mass: 464.09548
Percentage Composition: C 54.32%; H 4.34%; O 41.34%
Biological Source: Isol. from *Rhododendron dauricum*
Other Data: Note confusing duplication of the name Isohyperoside

>>Derivative: 7-O- α -D-Galactopyranoside

CAS Registry Number: 36450-05-2

Molecular Formula: C₂₁H₂₀O₁₂
Molecular Weight: 464.382
Accurate Mass: 464.09548
Percentage Composition: C 54.32%; H 4.34%; O 41.34%
Biological Source: Isol. from *Athamanta macrophylla*

>>Derivative: 7-O- β -D-Galactopyranoside
Synonym(s): Quercetin 7-galactoside. **Coptiside II**

CAS Registry Number: 59985-52-3

Molecular Formula: C₂₁H₂₀O₁₂
Molecular Weight: 464.382
Accurate Mass: 464.09548
Percentage Composition: C 54.32%; H 4.34%; O 41.34%
Biological Source: Constit. of leaves of *Coptis japonica*
Physical Description: Yellow amorph. powder (MeOH)
Melting Point: Mp 243-244°
Optical Rotation: [α]_D²⁵ -96 (c, 1 in Py)

>>Derivative: 3-O- β -D-Glucuronopyranoside
Synonym(s): Quercetin 3-glucuronide. **Miquelianin**. Querciturone

CAS Registry Number: 22688-79-5

Molecular Formula: C₂₁H₁₈O₁₃
Molecular Weight: 478.365
Accurate Mass: 478.074745
Percentage Composition: C 52.73%; H 3.79%; O 43.48%
Biological Source: Isol. from *Gaultheria miqueliana* and many other plant spp. Present in red wine
Physical Description: Yellow needles (MeOH aq.)
Melting Point: Mp 193-195° (190-191°)
Optical Rotation: [α]_D³⁰ -48.2 (c, 0.835 in Py aq.)