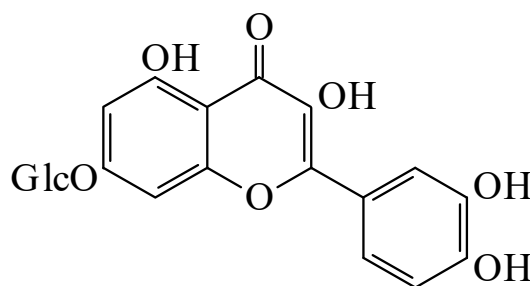




>>Entry Name: Quercimeritrin

Synonym(s): 7-O-β-D-Glucopyranosyloxy-3,3',4',5-tetrahydroxyflavone. Quercetin 7-glucoside. Quercimeritroside



CAS Registry Number: 491-50-9

Molecular Formula: C₂₁H₂₀O₁₂

Molecular Weight: 464.382

Accurate Mass: 464.09548

Percentage Composition: C 54.32%; H 4.34%; O 41.34%

Biological Source: Occurs in numerous plant spp.

Use/Importance: Used for luminescence detn. of Zr

Physical Description: Yellow needles + 3H₂O

Melting Point: Mp 249-250°

UV: [neutral] λ_{max} 256 (); 374 () (MeOH) (Berdy) [base] λ_{max} 328 () (MeOH-NAOH) (Berdy) [neutral] λ_{max} 257 (ε 23988); 372 (ε 21380) (EtOH) (Berdy)

>>Derivative: 3-O-β-L-Arabinofuranoside

Synonym(s): Ochroside

CAS Registry Number: 23394-51-6

Molecular Formula: C₂₆H₂₈O₁₆

Molecular Weight: 596.498

Accurate Mass: 596.13774

Percentage Composition: C 52.35%; H 4.73%; O 42.92%

Biological Source: Isol. from *Scabiosa ochroleuca*, *Onobrychis* spp. and other plant spp.

Optical Rotation: [α]_D²⁰ -250

>>Derivative: 3-O-α-L-Arabinopyranoside

CAS Registry Number: 28452-84-8

Molecular Formula: C₂₆H₂₈O₁₆

Molecular Weight: 596.498

Accurate Mass: 596.13774

Percentage Composition: C 52.35%; H 4.73%; O 42.92%

Biological Source: Isol. from *Phytolacca americana*

>>Derivative: 6"-O-α-L-Arabinopyranoside

Synonym(s): Cephaside

CAS Registry Number: 52630-33-8

Molecular Formula: C₂₆H₂₈O₁₆

Molecular Weight: 596.498

Accurate Mass: 596.13774

Percentage Composition: C 52.35%; H 4.73%; O 42.92%

Biological Source: Isol. from *Cephalaria* spp.

>>Derivative: 3-O-α-D-Xylopyranoside

Molecular Formula: C₂₆H₂₈O₁₆

Molecular Weight: 596.498

Accurate Mass: 596.13774

Percentage Composition: C 52.35%; H 4.73%; O 42.92%

Biological Source: Isol. from *Euonymus* spp.

Physical Description: Yellow needles + 3H₂O (MeOH aq.)

Melting Point: Mp 246-247°

Optical Rotation: [α]_D²⁸ -105.1 (c, 0.448 in DMF)