CAS Registry Number: 17912-87-7

Molecular Formula: $C_{21}H_{20}O_{12}$
Molecular Weight: 464.382
Accurate Mass: 464.09548
Percentage Composition: C 54.32%; H 4.34%; O 41.34%
Biological Source: Occurs in *Mimusops elongi*, *Rhus* spp. and *Elaeocarpus floribundus* and numerous other plants
Biological Use/Importance: Antibacterial, spermicidal agent
Physical Description: Pale yellow needles + $1H_2O$
Melting Point: Mp 194-197°
Calculated Log P Data: Log P –2.4 (calc)

>>**Derivative:** 3-*O*-α-L-Rhamnopyranoside, 3'-*O*-β-D-glucopyranoside
Synonym(s): Myricetin 3-rhamnoside 3'-glucoside

CAS Registry Number: 200353-67-9

Molecular Formula: $C_{27}H_{30}O_{17}$
Molecular Weight: 626.524
Accurate Mass: 626.148305
Percentage Composition: C 51.76%; H 4.83%; O 43.41%
Biological Source: Constit. of *Myrsine seguinii*
Physical Description: Yellow powder
Optical Rotation: $[\alpha]_D^{21}$ –152.1 (c, 1.2 in MeOH)
UV: [neutral] λ_{max} 214 (log ε 4.36); 255 (log ε 4.29); 260 (sh) (log ε 4.28); 308 (sh) (log ε 4.03); 347 (log ε 4.22) (MeOH)

>>**Derivative:** 3-*O*-α-L-Rhamnopyranoside, 7-*O*-β-D-glucopyranoside

Molecular Formula: $C_{27}H_{30}O_{17}$
Molecular Weight: 626.524
Accurate Mass: 626.148305
Percentage Composition: C 51.76%; H 4.83%; O 43.41%
Biological Source: Isol. from *Quercus rubra*

>>**Derivative:** 3-*O*-(*O*-Sulfoxy-α-L-rhamnopyranoside)

CAS Registry Number: 62794-03-0

Molecular Formula: $C_{27}H_{30}O_{19}S$
Molecular Weight: 690.589
Accurate Mass: 690.110205
Percentage Composition: C 46.96%; H 4.38%; O 44.02%; S 4.64%
Biological Source: Isol. from *Davidsonia pruriens* and *Davillia* spp.

>>**Derivative:** 3-*O*-(2-*O*-Acetyl-α-L-rhamnopyranoside)

Molecular Formula: $C_{23}H_{22}O_{13}$
Molecular Weight: 506.419
Accurate Mass: 506.106045
Percentage Composition: C 54.55%; H 4.38%; O 41.07%
Biological Source: Constit. of *Nymphaea caerulea*

>>**Derivative:** 3-*O*-(3,4-Di-*O*-acetyl-α-L-rhamnopyranoside)

CAS Registry Number: 184533-13-9

Molecular Formula: $C_{25}H_{24}O_{14}$
Molecular Weight: 548.456
Accurate Mass: 548.11661
Percentage Composition: C 54.75%; H 4.41%; O 40.84%
Biological Source: Constit. of *Myrsine africana*
Physical Description: Greenish-yellow powder
UV: [neutral] λ_{max} 258 (); 302 (); 352 () (MeOH)