



Molecular Formula: C₂₃H₂₂O₁₄
Molecular Weight: 522.418
Accurate Mass: 522.10096
Percentage Composition: C 52.88%; H 4.24%; O 42.88%
Biological Source: Constit. of the flowers of *Trifolium repens*
Physical Description: Powder

>> **Derivative:** 3-*O*-[3,4,5-Trihydroxybenzoyl-(→2)-β-D-galactopyranoside]
Synonym(s): Myricetin 3-(2-galloyl)galactoside)

CAS Registry Number: 143222-13-3

Molecular Formula: C₂₈H₂₄O₁₇
Molecular Weight: 632.487
Accurate Mass: 632.101355
Percentage Composition: C 53.17%; H 3.82%; O 43.00%
Biological Source: Constit. of the bark of *Myrica esculenta*

>> **Derivative:** 3-*O*-[3,4,5-Trihydroxybenzoyl-(→6)-β-D-galactopyranoside]
Synonym(s): Myricetin 3-(6-galloyl)galactoside)

CAS Registry Number: 56317-08-9

Molecular Formula: C₂₈H₂₄O₁₇
Molecular Weight: 632.487
Accurate Mass: 632.101355
Percentage Composition: C 53.17%; H 3.82%; O 43.00%
Biological Source: Isol. from *Sedum kamtschaticum*, *Tellima grandiflora* and *Woodfordia fruticosa*
Physical Description: Light yellow amorph. powder
Optical Rotation: [α]_D²⁰ +33.7 (c, 0.1 in MeOH)

>> **Derivative:** 3,3'-Di-*O*-galactoside

CAS Registry Number: 28454-81-1

Molecular Formula: C₂₇H₃₀O₁₈
Molecular Weight: 642.523
Accurate Mass: 642.14322
Percentage Composition: C 50.47%; H 4.71%; O 44.82%
Biological Source: Isol. from *Myrica gale*

>> **Derivative:** 3-*O*-β-D-Glucopyranoside
Synonym(s): Isomyricitrin

CAS Registry Number: 19833-12-6

Molecular Formula: C₂₁H₂₀O₁₃
Molecular Weight: 480.381
Accurate Mass: 480.090395
Percentage Composition: C 52.51%; H 4.20%; O 43.30%
Biological Source: Isol. from numerous plant spp.
Melting Point: Mp 275-277°
Optical Rotation: [α]_D²⁰ -36
Other Data: Trivial name is misleading

>> **Derivative:** 3-*O*-β-D-Glucopyranoside, 7-*O*-β-D-galactopyranoside

CAS Registry Number: 106820-17-1

Molecular Formula: C₂₇H₃₀O₁₈
Molecular Weight: 642.523
Accurate Mass: 642.14322
Percentage Composition: C 50.47%; H 4.71%; O 44.82%
Biological Source: Isol. from *Cheilanthes fragrans*