



Molecular Formula: C₂₈H₂₄O₁₄
Molecular Weight: 584.489
Accurate Mass: 584.11661
Percentage Composition: C 57.54%; H 4.14%; O 38.32%
Biological Source: Constit. of *Limonium sinense*
Physical Description: Light yellow powder
Optical Rotation: $[\alpha]_D^{26} -68$ (c, 1.7 in MeOH)

>>**Derivative:** 3-*O*-[3,4,5-Trihydroxybenzoyl-($\rightarrow$ 2)- α -L-rhamnopyranoside]
Synonym(s): Gallomyricitrin. Desmanthin 1

CAS Registry Number: 56939-52-7

Molecular Formula: C₂₈H₂₄O₁₆
Molecular Weight: 616.488
Accurate Mass: 616.10644
Percentage Composition: C 54.55%; H 3.92%; O 41.52%
Biological Source: Isol. from *Desmanthus illinoensis* and *Sedum selskianum*
Physical Description: Monohydrate
Melting Point: Mp 214-216° (196°)
Optical Rotation: $[\alpha]_D^{20} -40$ (c, 0.6 in MeOH)
Solubility: BERDY SOL: Sol. MeOH, EtOH
UV: [neutral] $\lambda_{\max}$ 269 (); 354 () (MeOH) (Berdy) [base] $\lambda_{\max}$ 267 (); 332 () (MeOH-NAOH) (Berdy)

>>**Derivative:** 3-*O*-[3,4,5-Trihydroxybenzoyl-($\rightarrow$ 3)- α -L-rhamnopyranoside]
Synonym(s): Myricetin 3-(3-galloylrhamnoside)

CAS Registry Number: 143202-36-2

Molecular Formula: C₂₈H₂₄O₁₆
Molecular Weight: 616.488
Accurate Mass: 616.10644
Percentage Composition: C 54.55%; H 3.92%; O 41.52%
Biological Source: Constit. of the bark of *Myrica esculenta*

>>**Derivative:** 3-*O*-[3,4,5-Trihydroxybenzoyl-($\rightarrow$ 4)- α -L-rhamnopyranoside]
Synonym(s): Desmanthin 2

CAS Registry Number: 85541-03-3

Molecular Formula: C₂₈H₂₄O₁₆
Molecular Weight: 616.488
Accurate Mass: 616.10644
Percentage Composition: C 54.55%; H 3.92%; O 41.52%
Biological Source: Isol. from *Desmanthus illinoensis*
Melting Point: Mp 176°
Solubility: BERDY SOL: Sol. MeOH, EtOH
UV: [neutral] $\lambda_{\max}$ 270 (); 358 (); 405 () (MeOH) (Berdy) [base] $\lambda_{\max}$ 266 (); 324 () (MeOH-NAOH) (Berdy)

>>**Derivative:** 3-*O*-[3,4,5-Trihydroxybenzoyl-($\rightarrow$ 2)-[3,4,5-trihydroxybenzoyl-($\rightarrow$ 3)]- α -L-rhamnopyranoside]
Synonym(s): Myricetin 3-(2,3-digalloylrhamnoside)

Molecular Formula: C₃₅H₂₈O₂₀
Molecular Weight: 768.594
Accurate Mass: 768.1174
Percentage Composition: C 54.70%; H 3.67%; O 41.63%
Biological Source: Contit. of *Acacia confusa*
Physical Description: Yellow powder
Optical Rotation: $[\alpha]_D^{25} +16$ (c, 0.001 in MeOH)
UV: [neutral] $\lambda_{\max}$ 268 (log ϵ 4.5); 351 (log ϵ 4.1) (MeOH)