



CAS Registry Number: 82958-45-0

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 the bark of *Mallotus japonicus* and from the root of *Bergenia purpurascens*

Physical Description: Light brown amorph. powder + 1H₂O

Optical Rotation: [α]_D¹⁵ -51 (c, 1.0 in MeOH)

>> **Derivative:** 11-*O*-(3,4,5-Trihydroxybenzoyl)

Synonym(s): 11-*O*-Galloylbergenin

CAS Registry Number: 82958-44-9

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 the bark of *Mallotus japonicus* and from the root of *Bergenia purpurascens* and heartwood of *Peltophorum africanum*

Physical Description: Fine needles (EtOH aq.)

Melting Point: Mp 188-190° (179° dec.)

Optical Rotation: [α]_D¹⁵ +37.6 (c, 1.2 in EtOH)

>> **Derivative:** 11-*O*-(3-Hydroxy-4,5-dimethoxybenzoyl)

Synonym(s): 11-*O*-(3,4-Di-*O*-methylgalloyl)bergenin

CAS Registry Number: 167962-94-9

Molecular Formula: C₂₃H₂₄O₁₃

Molecular Weight: 508.435

Accurate Mass: 508.121695

Percentage Composition: C 54.33%; H 4.76%; O 40.91%

Biological Source: Constit. of the root of *Ardisia crenata*

>> **Derivative:** 11-*O*-(4-Hydroxy-3,5-dimethoxybenzoyl)

Synonym(s): 11-*O*-Syringoylbergenin

CAS Registry Number: 126485-47-0

Molecular Formula: C₂₃H₂₄O₁₃

Molecular Weight: 508.435

Accurate Mass: 508.121695

Percentage Composition: C 54.33%; H 4.76%; O 40.91%

Biological Source: Constit. of the root of *Ardisia crenata*

>> **Derivative:** 3,4-Bis-*O*-(3,4,5-trihydroxybenzoyl)

Synonym(s): 3,4-Di-*O*-galloylbergenin

CAS Registry Number: 128308-97-4

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 the bark and leaf of *Mallotus japonicus*

Physical Description: Amorph. powder + ½H₂O

Optical Rotation: [α]_D²³ -137.7 (c, 0.5 in MeOH)