



Molecular Formula: C₂₆H₂₂O₁₃
Molecular Weight: 542.452
Accurate Mass: 542.106045
Percentage Composition: C 57.57%; H 4.09%; O 38.34%
Biological Source: Constit. of *Senecio mikanioides*
Melting Point: Mp 203-204°
Optical Rotation: $[\alpha]_{\text{D}}^{22} -108.6$ (c, 0.2 in MeOH)
UV: [neutral] λ_{max} 243 (); 257 (); 316 (); 365 () (MeOH)

>>Derivative: 6'-O-(3,4,5-Trihydroxybenzoyl)
Synonym(s): Mangiferin 6'-gallate

CAS Registry Number: 92631-82-8

Molecular Formula: C₂₆H₂₂O₁₅
Molecular Weight: 574.451
Accurate Mass: 574.095875
Percentage Composition: C 54.36%; H 3.86%; O 41.78%
Biological Source: Isol. from leaves of *Mangifera indica*
Physical Description: Yellow granular solid + ½H₂O (H₂O)
Optical Rotation: $[\alpha]_{\text{D}}^{30} -35.2$ (c, 0.2 in MeOH)

>>Derivative: 3-Me ether
Synonym(s): Homomangiferin. 3-O-Methylmangiferin

CAS Registry Number: 21794-66-1

Molecular Formula: C₂₀H₂₀O₁₁
Molecular Weight: 436.371
Accurate Mass: 436.100565
Percentage Composition: C 55.05%; H 4.62%; O 40.33%
Biological Source: Constit. of *Mangifera indica* and *Hoppea dichotoma*
Melting Point: Mp 255-257°

>>Derivative: 7-Me ether
Synonym(s): 7-O-Methylmangiferin

CAS Registry Number: 31002-12-7

Molecular Formula: C₂₀H₂₀O₁₁
Molecular Weight: 436.371
Accurate Mass: 436.100565
Percentage Composition: C 55.05%; H 4.62%; O 40.33%
Biological Source: Constit. of leaves of *Iris florentina*
Physical Description: Pale-yellow needles (dioxan aq.)
Melting Point: Mp 237-238°
Optical Rotation: $[\alpha]_{\text{D}}^{31} +31.7$ (c, 0.7 in Py)

>>Derivative: 7-Me ether, 6'-O-β-D-apiofuranoside
Synonym(s): Polygalaxanthone III

CAS Registry Number: 162857-78-5

Molecular Formula: C₂₅H₂₈O₁₅
Molecular Weight: 568.487
Accurate Mass: 568.142825
Percentage Composition: C 52.82%; H 4.96%; O 42.22%
Biological Source: Constit. of the roots of *Polygala tenuifolia*
Physical Description: Yellow amorph. powder
Optical Rotation: $[\alpha]_{\text{D}}^{24} -78$ (c, 0.6 in MeOH)
Other Data: Struct. revised in 1999, prev. assigned as the isomeric Isomangiferin deriv.

>>Derivative: 1,3,6,7-Tetra-Me ether