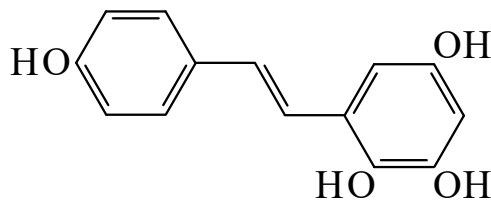




>>Entry Name: 1-(4-Hydroxyphenyl)-2-(2,3,5-trihydroxyphenyl)ethylene

Synonym(s): 2,3,4',5-Stilbenetetrol. 2,3,4',5-Tetrahydroxystilbene



Related CAS Registry Numbers(s): 55327-45-2

Molecular Formula: C₁₄H₁₂O₄

Molecular Weight: 244.246

Accurate Mass: 244.07356

Percentage Composition: C 68.85%; H 4.95%; O 26.20%

>>Derivative: 2-*O*-β-D-Glucopyranoside

CAS Registry Number: 82373-94-2

Molecular Formula: C₂₀H₂₂O₉

Molecular Weight: 406.388

Accurate Mass: 406.126385

Percentage Composition: C 59.11%; H 5.46%; O 35.43%

Biological Source: Constit. of *Polygonum multiflorum*

Biological Use/Importance: Calcium ATPase inhibitor

Physical Description: Pale yellow powder

Optical Rotation: $[\alpha]_D^{20} +73$ (c, 0.63 in Me₂CO)

>>Derivative: 2-*O*-[3,4,5-Trihydroxybenzoyl-(→2)-β-D-glucopyranoside]

CAS Registry Number: 82344-85-2

Molecular Formula: C₂₇H₂₆O₁₃

Molecular Weight: 558.495

Accurate Mass: 558.137345

Percentage Composition: C 58.07%; H 4.69%; O 37.24%

Biological Source: Isol. from roots of *Polygonum multiflorum*

Physical Description: Pale brown needles + ½H₂O (H₂O)

Melting Point: Mp 182-184°

Optical Rotation: $[\alpha]_D^{23} -29.9$ (c, 0.19 in Me₂CO)

>>Derivative: 2-*O*-[3,4,5-Trihydroxybenzoyl-(→3)-β-D-glucopyranoside]

CAS Registry Number: 82344-86-3

Molecular Formula: C₂₇H₂₆O₁₃

Molecular Weight: 558.495

Accurate Mass: 558.137345

Percentage Composition: C 58.07%; H 4.69%; O 37.24%

Biological Source: Isol. from root of *Polygonum multiflorum*

Physical Description: Pale brown amorph. powder

Optical Rotation: $[\alpha]_D^{23} +11.7$ (c, 0.14 in Me₂CO)

>>Derivative: 2,3-Di-*O*-β-D-glucopyranoside

Synonym(s): Polygonimitin C

CAS Registry Number: 156980-61-9

Molecular Formula: C₂₆H₃₂O₁₄

Molecular Weight: 568.53

Accurate Mass: 568.17921

Percentage Composition: C 54.93%; H 5.67%; O 39.40%

Biological Source: Constit. of the roots of *Polygonum multiflorum*

Physical Description: Cryst.

Melting Point: Mp 265-267°