



(MeOH) (Berdy)

>>Derivative: Tri-Me ether

Synonym(s): 3,4',5-Trimethoxystilbene

CAS Registry Number: 22255-22-7

Type of Compound Code(s): VG4000

Molecular Formula: C₁₇H₁₈O₃

Molecular Weight: 270.327

Accurate Mass: 270.125595

Percentage Composition: C 75.53%; H 6.71%; O 17.76%

Biological Source: Isol. from numerous plant spp.

Melting Point: Mp 56-57°

>>Variant: (Z)-form

CAS Registry Number: 61434-67-1

Type of Compound Code(s): VG4000 WI3700

Molecular Formula: C₁₄H₁₂O₃

Molecular Weight: 228.247

Accurate Mass: 228.078645

Percentage Composition: C 73.67%; H 5.30%; O 21.03%

Biological Source: Phytoalexin from peanut (*Arachis hypogaea*)

Physical Description: Powder (MeOH aq.)

Melting Point: Mp 170-174°

UV: [neutral] λ_{max} 210 (); 220 (sh) (); 286 () (EtOH)

>>Derivative: 3-O-β-D-Glucopyranoside

Synonym(s): *cis*-Piceid

CAS Registry Number: 148766-36-3

Type of Compound Code(s): WI3500 VG4000

Molecular Formula: C₂₀H₂₂O₈

Molecular Weight: 390.389

Accurate Mass: 390.13147

Percentage Composition: C 61.53%; H 5.68%; O 32.79%

Biological Source: Constit. of *Ampelopsis brevipedunculata* and *Vitis vinifera*

Physical Description: Cryst. (MeOH aq.)

Melting Point: Mp 126-129°

>>Derivative: 3-O-β-D-Glucopyranoside, 5-O-sulfate

Type of Compound Code(s): VG4000

Molecular Formula: C₂₀H₂₂O₁₁S

Molecular Weight: 470.453

Accurate Mass: 470.088285

Percentage Composition: C 51.06%; H 4.71%; O 37.41%; S 6.82%

Biological Source: Constit. of *Polygonum cuspidatum*

Physical Description: Amorph. powder + 3 H₂O (as K salt)

Optical Rotation: [α]_D²⁴ -31 (c, 0.4 in MeOH) (K salt)

UV: [neutral] λ_{max} 216 (); 232 (sh) (); 290 (); 322 (sh) () (MeOH) (K salt)

>>Derivative: 3-O-(2-O-Sulfo-β-D-glucopyranoside)

Type of Compound Code(s): VG4000

Molecular Formula: C₂₀H₂₂O₁₁S

Molecular Weight: 470.453

Accurate Mass: 470.088285

Percentage Composition: C 51.06%; H 4.71%; O 37.41%; S 6.82%

Biological Source: Constit. of *Polygonum cuspidatum*

Physical Description: Amorph. powder + 2 H₂O (as Na salt)

Optical Rotation: [α]_D²⁴ -44 (c, 0.3 in MeOH) (Na salt)

UV: [neutral] λ_{max} 217 (); 234 (sh) (); 290 (); 321 (sh) () (MeOH) (Na salt)