(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: $C_{17}H_{18}O_3$
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: $C_{14}H_{12}O_3$
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: $C_{20}H_{22}O_8$
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: $C_{20}H_{22}O_{11}S$
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 H_2O (as K salt)
Optical Rotation: $[\alpha]_D^{24}$ –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: $C_{20}H_{22}O_{11}S$
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 H_2O (as Na salt)
Optical Rotation: $[\alpha]_D^{24}$ –44 (c, 0.3 in MeOH) (Na salt)
UV: [neutral] λ_{max} 217 (); 234 (sh) (); 290 (); 321 (sh) () (MeOH) (Na salt)