



Molecular Weight: 412.395
Accurate Mass: 412.11582
Percentage Composition: C 64.07%; H 4.89%; O 31.04%
Physical Description: Needles (MeOH)
Melting Point: Mp 115°. Mp 124° (double Mp)

>>Derivative: Tetrabenzoyl

Molecular Formula: C₄₂H₂₈O₈
Molecular Weight: 660.678
Accurate Mass: 660.17842
Percentage Composition: C 76.36%; H 4.27%; O 19.37%
Melting Point: Mp 153-154°

>>Derivative: 3'-Me ether

Synonym(s): 5-[2-(4-Hydroxy-3-methoxyphenyl)ethenyl]-1,3-benzenediol, 9Cl. 3'-Methoxy-3,4',5-stilbenetriol, 8Cl. **Isorhapontigenin**

CAS Registry Number: 32507-66-7
Type of Compound Code(s): VG4000
Molecular Formula: C₁₅H₁₄O₄
Molecular Weight: 258.273
Accurate Mass: 258.08921
Percentage Composition: C 69.76%; H 5.46%; O 24.78%
Biological Source: Constit. of *Picea abies*, *Gnetum parvifolium* and other plants
Physical Description: Cryst. (EtOAc/petrol)
Melting Point: Mp 182-183°

>>Derivative: 3'-Me ether, 4'-O-β-D-glucopyranoside

Synonym(s): Gnetifolin E

Type of Compound Code(s): VG4000
Molecular Formula: C₂₁H₂₄O₉
Molecular Weight: 420.415
Accurate Mass: 420.142035
Percentage Composition: C 60.00%; H 5.75%; O 34.25%
Biological Source: Isol. from *Gnetum parvifolium*
Physical Description: Cryst.
Melting Point: Mp 140-143°
Optical Rotation: $[\alpha]_{\text{D}}^{15} -30.3$ (c, 0.98 in Me₂CO)

>>Derivative: 3'-Me ether, 3"-O-β-D-glucopyranoside

Synonym(s): Isorhapontin

CAS Registry Number: 32727-29-0
Type of Compound Code(s): VG4000
Molecular Formula: C₂₁H₂₄O₉
Molecular Weight: 420.415
Accurate Mass: 420.142035
Percentage Composition: C 60.00%; H 5.75%; O 34.25%
Biological Source: Constit. of *Picea glauca*, *Picea koraiensis*, *Picea obovata* and *Picea glehnii*
Physical Description: White-yellow amorph. powder (MeOH/CHCl₃)
Melting Point: Mp 193-194°
Optical Rotation: $[\alpha]_{\text{D}}^{21} -54.1$ (c, 2.24 in Me₂CO)

>>Derivative: 3'-Me ether, 3",4'-di-O-β-D-glucopyranoside

Synonym(s): Gnetifolin K

CAS Registry Number: 193806-40-5
Type of Compound Code(s): VG4000
Molecular Formula: C₂₇H₃₄O₁₄
Molecular Weight: 582.557
Accurate Mass: 582.19486
Percentage Composition: C 55.67%; H 5.88%; O 38.45%
Biological Source: Constit. of *Gnetum parvifolium*
Physical Description: Prisms (as nona-Ac)
Melting Point: Mp 178-180° (nona-Ac)
Optical Rotation: $[\alpha]_{\text{D}}^{25} -19.8$ (c, 0.05 in MeOH) (nona-Ac)