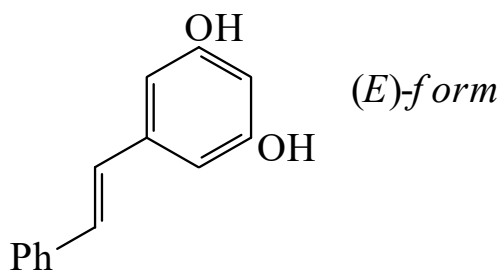




>>Entry Name: 3,5-Dihydroxystilbene

Synonym(s): 5-(2-Phenylethenyl)-1,3-benzenediol, 9CI. 1-(3,5-Dihydroxyphenyl)-2-phenylethylene. 5-Styrylresorcinol. 3,5-Stilbenediol. **Pinosylvin**



CAS Registry Number: 102-61-4

Molecular Formula: C₁₄H₁₂O₂

Molecular Weight: 212.248

Accurate Mass: 212.08373

Percentage Composition: C 79.23%; H 5.70%; O 15.08%

>>Variant: (E)-form

CAS Registry Number: 22139-77-1

Type of Compound Code(s): VG4000 XA1150 XA1550

Molecular Formula: C₁₄H₁₂O₂

Molecular Weight: 212.248

Accurate Mass: 212.08373

Percentage Composition: C 79.23%; H 5.70%; O 15.08%

Biological Source: Constit. of *Pinus* spp. and *Dalbergia sissoo*

Use/Importance: Antibacterial agent. Shows fungistatic props.

Physical Description: Needles (AcOH)

Melting Point: Mp 160° (155.5-156°)

Solubility: BERDY SOL: Sol. EtOH, Me₂CO, Et₂O; fairly sol. H₂O

Calculated Log P Data: Log P 3.1 (calc)

UV: [neutral] λ_{max} 305 (ε 30900) (MeOH) (Berdy)

Hazard & Toxicity: LD₅₀ (mus, ipr) 20 mg/kg ; BERDY HAZD : LD₅₀ (mus, ipr) 20 mg/kg

>>Derivative: Di-Ac

Molecular Formula: C₁₈H₁₆O₄

Molecular Weight: 296.322

Accurate Mass: 296.10486

Percentage Composition: C 72.96%; H 5.44%; O 21.60%

Melting Point: Mp 100-101°

>>Derivative: Mono-O-β-D-glucopyranoside

CAS Registry Number: 119600-62-3

Type of Compound Code(s): VG4000

Molecular Formula: C₂₀H₂₂O₇

Molecular Weight: 374.39

Accurate Mass: 374.136555

Percentage Composition: C 64.16%; H 5.92%; O 29.91%

Biological Source: Constit. of *Scutellaria scandens*

>>Derivative: Di-O-β-D-glucopyranoside

Synonym(s): Pinosylvin diglucoside

CAS Registry Number: 156302-22-6

Type of Compound Code(s): VG4000

Molecular Formula: C₂₆H₃₂O₁₂

Molecular Weight: 536.532

Accurate Mass: 536.18938

Percentage Composition: C 58.20%; H 6.01%; O 35.78%

Biological Source: Constit. of the roots of *Lindera reflexa*

Physical Description: Cryst. (MeOH)

Melting Point: Mp 178-180° (synthetic)

Optical Rotation: [α]_D -82.7 (c, 0.1 in Me₂CO aq.) (synthetic)