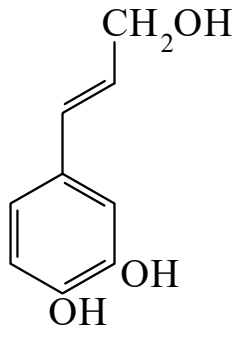
>>**Entry Name: 3-(3,4-Dihydroxyphenyl)-2-propen-1-ol**
**Synonym(s):** 4-(3-Hydroxy-1-propenyl)-1,2-benzenediol, 9CI. Caffeyl alcohol. 3,4-Dihydroxycinnamyl alcohol




**CAS Registry Number:** 3598-26-3
**Related CAS Registry Numbers(s):** 18604-50-7 77355-78-3 81532-11-8 113349-27-2 115330-92-2 125164-73-0

**Molecular Formula:** $C_9H_{10}O_3$
**Molecular Weight:** 166.176
**Accurate Mass:** 166.062995
**Percentage Composition:** C 65.05%; H 6.07%; O 28.88%
**General Statement:** (*E*)-config. assumed for derivs. except where (*Z*)-config. is certain

>>**Variant:** (*E*)-form
**Molecular Formula:** $C_9H_{10}O_3$
**Molecular Weight:** 166.176
**Accurate Mass:** 166.062995
**Percentage Composition:** C 65.05%; H 6.07%; O 28.88%
**Melting Point:** Mp 144-145°

>>**Derivative:** 3'-Me ether
**Synonym(s):** 3-(4-Hydroxy-3-methoxyphenyl)-2-propen-1-ol. 4-(3-Hydroxy-1-propenyl)-2-methoxyphenol, 9CI. **Coniferyl alcohol.** Lubanol

**CAS Registry Number:** 32811-40-8
**Extra CAS Registry Numbers(s):** 458-35-5
**Type of Compound Code(s):** VG0060
**Molecular Formula:** $C_{10}H_{12}O_3$
**Molecular Weight:** 180.203
**Accurate Mass:** 180.078645
**Percentage Composition:** C 66.65%; H 6.71%; O 26.64%
**Biological Source:** Lignin degradn. substance found in sulfite liquor and in Siam benzoin gum
**Physical Description:** Prisms
**Melting Point:** Mp 78° (74-75°)
**Boiling Point:** $Bp_3$ 163-165°
**Solubility:** Spar. sol. hot $H_2O$; BERDY SOL: Sol. bases, $Et_2O$; fairly sol. MeOH, EtOH; poorly sol. $H_2O$
**pKa Value:** p$K_{a1}$ 9.54 (25°)
**Other Data:** Resinified by acids
**Aldrich:** 22373-5
**Fluka:** 27740
**Sigma:** C9548

>>**Derivative:** 3'-Me ether, 1-*O*-β-D-glucopyranoside
**Synonym(s): Citrusin D.** Isoconiferin

**CAS Registry Number:** 65995-51-9
**Type of Compound Code(s):** VG0060
**Molecular Formula:** $C_{16}H_{22}O_8$
**Molecular Weight:** 342.345
**Accurate Mass:** 342.13147
**Percentage Composition:** C 56.14%; H 6.48%; O 37.39%
**Biological Source:** Isol. from *Citrus limon*, *Citrus unshiu*, *Fortunella japonica* and *Pinus sylvestris*
**Biological Use/Importance:** Shows antihypertensive props.
**Optical Rotation:** $[\alpha]_D^{20}$ –16.9 (c, 4.1 in MeOH)
**UV:** [neutral] $\lambda_{max}$ 275 (ε 5000) (MeOH)