



**CAS Registry Number:** 29865-90-5  
**Molecular Formula:** C<sub>9</sub>H<sub>10</sub>O<sub>4</sub>  
**Molecular Weight:** 182.176  
**Accurate Mass:** 182.05791  
**Percentage Composition:** C 59.34%; H 5.53%; O 35.13%  
**Melting Point:** Mp 70-72°  
**Boiling Point:** Bp<sub>0.5</sub> 140°  
**Aldrich:** 25871-7

>>Derivative: 3,5-Di-Me ether

**Synonym(s):** 4-Hydroxy-3,5-dimethoxybenzaldehyde. Syringic aldehyde. Syringaldehyde. Cedar aldehyde

**CAS Registry Number:** 134-96-3

**Molecular Formula:** C<sub>9</sub>H<sub>10</sub>O<sub>4</sub>  
**Molecular Weight:** 182.176  
**Accurate Mass:** 182.05791  
**Percentage Composition:** C 59.34%; H 5.53%; O 35.13%  
**Biological Source:** Widespread in woods and wood products, eg. sulfite liquor, maple syrup. A degradn. prod. of lignin  
**Use/Importance:** Reagent for the spectrophotometric anal. of aromatic amines  
**Melting Point:** Mp 113-114°  
**Boiling Point:** Bp<sub>14</sub> 192-193°  
**UV:** [neutral] λ<sub>max</sub> 215 (ε 18600); 227 (ε 40000); 232 (ε 17000); 308 (ε 17000); 309 (ε 33800) (MeOH) (Berdy) [base] λ<sub>max</sub> 217 (ε 13500); 253 (ε 11200); 368 (ε 25100) (MeOH-NAOH) (Berdy)  
**Hazard & Toxicity:** LD<sub>50</sub> (mus, ipr) 1000 mg/kg

**Aldrich:** W50976-0  
**Fluka:** 86220  
**Sigma:** S0138

>>Derivative: 3,5-Di-Me ether, oxime

**CAS Registry Number:** 5032-13-3  
**Melting Point:** Mp 91°

>>Derivative: 3,5-Di-Me ether, 4-Ac

**CAS Registry Number:** 53669-33-3  
**Molecular Formula:** C<sub>11</sub>H<sub>12</sub>O<sub>5</sub>  
**Molecular Weight:** 224.213  
**Accurate Mass:** 224.068475  
**Percentage Composition:** C 58.93%; H 5.39%; O 35.68%  
**Melting Point:** Mp 115-117°  
**Aldrich:** 38774-6

>>Derivative: Tri-Me ether

**Synonym(s):** 3,4,5-Trimethoxybenzaldehyde

**CAS Registry Number:** 86-81-7

**Molecular Formula:** C<sub>10</sub>H<sub>12</sub>O<sub>4</sub>  
**Molecular Weight:** 196.202  
**Accurate Mass:** 196.07356  
**Percentage Composition:** C 61.22%; H 6.16%; O 32.62%  
**Biological Source:** Isol. from oil of *Cymbopogon* spp. and *Libanotis transcaucasica*  
**Physical Description:** Needles (H<sub>2</sub>O)  
**Melting Point:** Mp 78°  
**Boiling Point:** Bp<sub>10</sub> 163-165°

**Aldrich:** T6840-3  
**Fluka:** 92140  
**Rare Chemicals Library:** S11607-6  
**Sigma:** T3752