



**Molecular Formula:** C<sub>8</sub>H<sub>10</sub>O<sub>3</sub>  
**Molecular Weight:** 154.165  
**Accurate Mass:** 154.062995  
**Percentage Composition:** C 62.33%; H 6.54%; O 31.13%  
**Physical Description:** Cryst. (C<sub>6</sub>H<sub>6</sub>/petrol)  
**Melting Point:** Mp 44.5° (36-38°)  
**Boiling Point:** Bp<sub>36</sub> 199°. Bp<sub>17</sub> 172-175°  
**Solubility:** Sol. EtOH, C<sub>6</sub>H<sub>6</sub>  
**Aldrich:** 13263-2  
**Fluka:** 38773

>>Derivative: Tri-Me ether

Synonym(s): 1,3,5-Trimethoxybenzene, 9CI

**CAS Registry Number:** 621-23-8  
**Molecular Formula:** C<sub>9</sub>H<sub>12</sub>O<sub>3</sub>  
**Molecular Weight:** 168.192  
**Accurate Mass:** 168.078645  
**Percentage Composition:** C 64.27%; H 7.19%; O 28.54%  
**Physical Description:** Prisms (EtOH)  
**Melting Point:** Mp 54-55°  
**Boiling Point:** Bp 255.5°  
**Solubility:** Insol. H<sub>2</sub>O; sol. EtOH, Et<sub>2</sub>O, C<sub>6</sub>H<sub>6</sub>  
**Hazard & Toxicity:** LD<sub>50</sub> (mus, orl) 1480 mg/kg

**Aldrich:** 13882-7

**Fluka:** 92162

>>Derivative: Tri-Et ether

Synonym(s): 1,3,5-Triethoxybenzene, 9CI

**CAS Registry Number:** 2437-88-9  
**Molecular Formula:** C<sub>12</sub>H<sub>18</sub>O<sub>3</sub>  
**Molecular Weight:** 210.272  
**Accurate Mass:** 210.125595  
**Percentage Composition:** C 68.55%; H 8.63%; O 22.83%  
**Physical Description:** Cryst.  
**Melting Point:** Mp 43°  
**Boiling Point:** Bp<sub>24</sub> 175°  
**Solubility:** Sol. Et<sub>2</sub>O, EtOH  
**Other Data:** Steam-volatile

>>Derivative: Monobenzyl ether

**CAS Registry Number:** 59291-87-1  
**Molecular Formula:** C<sub>13</sub>H<sub>12</sub>O<sub>3</sub>  
**Molecular Weight:** 216.236  
**Accurate Mass:** 216.078645  
**Percentage Composition:** C 72.21%; H 5.59%; O 22.20%  
**Use/Importance:** Intermed. for synth. of crown ethers  
**Physical Description:** Light brown solid  
**Melting Point:** Mp 80-82°

>>Derivative: Tribenzyl ether

**CAS Registry Number:** 59434-20-7  
**Molecular Formula:** C<sub>27</sub>H<sub>24</sub>O<sub>3</sub>  
**Molecular Weight:** 396.485  
**Accurate Mass:** 396.172545  
**Percentage Composition:** C 81.79%; H 6.10%; O 12.11%  
**Melting Point:** Mp 39-41°