



**Aldrich:** 29086-6  
**Fluka:** 94540  
**Sigma:** V0505

>>Derivative: Vinyl ester

**CAS Registry Number:** 5873-43-8  
**Molecular Formula:** C<sub>7</sub>H<sub>12</sub>O<sub>2</sub>  
**Molecular Weight:** 128.171  
**Accurate Mass:** 128.08373  
**Percentage Composition:** C 65.60%; H 9.44%; O 24.97%  
**Boiling Point:** Bp 134°  
**Density:** d<sup>20</sup> 0.91  
**Other:** PB V02700

>>Derivative: Propyl ester  
**Synonym(s):** Propyl pentanoate. Propyl valerate

**CAS Registry Number:** 141-06-0  
**Molecular Formula:** C<sub>8</sub>H<sub>16</sub>O<sub>2</sub>  
**Molecular Weight:** 144.213  
**Accurate Mass:** 144.11503  
**Percentage Composition:** C 66.63%; H 11.18%; O 22.19%  
**Physical Description:** Liq.  
**Boiling Point:** Bp 167.4°

>>Derivative: Isopropyl ester  
**Synonym(s):** Isopropyl pentanoate. Isopropyl valerate

**CAS Registry Number:** 18362-97-5  
**Molecular Formula:** C<sub>8</sub>H<sub>16</sub>O<sub>2</sub>  
**Molecular Weight:** 144.213  
**Accurate Mass:** 144.11503  
**Percentage Composition:** C 66.63%; H 11.18%; O 22.19%  
**Physical Description:** Liq.  
**Boiling Point:** Bp 164.9°

>>Derivative: Butyl ester  
**Synonym(s):** Butyl pentanoate. Butyl valerate. FEMA 2217

**CAS Registry Number:** 591-68-4

**Molecular Formula:** C<sub>9</sub>H<sub>18</sub>O<sub>2</sub>  
**Molecular Weight:** 158.24  
**Accurate Mass:** 158.13068  
**Percentage Composition:** C 68.31%; H 11.46%; O 20.22%  
**Biological Source:** Present in fruits  
**Use/Importance:** Flavouring agent  
**Physical Description:** Liq. with apple-raspbery colour and corresponding sweet taste  
**Boiling Point:** Bp 186.5° (175°)  
**Density:** d<sub>4</sub><sup>20</sup> 0.87  
**Refractive Index:** n<sub>D</sub><sup>20</sup> 1.4118  
**Aldrich:** W22170-8

>>Derivative: 2-Methylpropyl ester

**CAS Registry Number:** 10588-10-0  
**Molecular Formula:** C<sub>9</sub>H<sub>18</sub>O<sub>2</sub>  
**Molecular Weight:** 158.24  
**Accurate Mass:** 158.13068  
**Percentage Composition:** C 68.31%; H 11.46%; O 20.22%  
**Boiling Point:** Bp 179°  
**Density:** d<sub>4</sub><sup>20</sup> 0.86