



**Molecular Weight:** 88.106  
**Accurate Mass:** 88.05243  
**Percentage Composition:** C 54.53%; H 9.15%; O 36.32%  
**Physical Description:** Liq. with a characteristic fruity (rum-plum) odour with a corresponding bittersweet flavour  
**Melting Point:** Mp -92.9°  
**Boiling Point:** Bp 80-82°  
**Solubility:** Sl. sol. H<sub>2</sub>O; misc. EtOH, Et<sub>2</sub>O  
**Density:** d<sup>20</sup> 0.906  
**Refractive Index:** n<sub>D</sub><sup>20</sup> 1.3779  
**Hazard & Toxicity:** Fl. p. 27°

**Aldrich:** W29430-6  
**Fluka:** 6559  
**Rare Chemicals Library:** S56568-7

>>Derivative: Butyl ester  
Synonym(s): FEMA 2916

**CAS Registry Number:** 592-84-7

**Molecular Formula:** C<sub>5</sub>H<sub>10</sub>O<sub>2</sub>  
**Molecular Weight:** 102.133  
**Accurate Mass:** 102.06808  
**Percentage Composition:** C 58.80%; H 9.87%; O 31.33%  
**Physical Description:** Liq. with a fruity, plum-like odour and corresponding taste  
**Melting Point:** Mp -91.5°  
**Boiling Point:** Bp 106-107°  
**Solubility:** Sl. sol. H<sub>2</sub>O; misc. EtOH, Et<sub>2</sub>O  
**Density:** d<sup>20</sup> 0.888  
**Refractive Index:** n<sub>D</sub><sup>20</sup> 1.3890  
**Hazard & Toxicity:** Fl. p. 64°

**Aldrich:** 26152-1  
**Fluka:** 6511  
**Sigma:** B5140

>>Derivative: *tert*-Butyl ester

**CAS Registry Number:** 762-75-4  
**Molecular Formula:** C<sub>5</sub>H<sub>10</sub>O<sub>2</sub>  
**Molecular Weight:** 102.133  
**Accurate Mass:** 102.06808  
**Percentage Composition:** C 58.80%; H 9.87%; O 31.33%  
**Boiling Point:** Bp 82-83°  
**Refractive Index:** n<sub>D</sub><sup>20</sup> 1.3790  
**Aldrich:** 27077-6  
**Fluka:** 6513

>>Derivative: Ph ester  
*see* Phenyl formate, [MTL20-L](#)

>>Derivative: Benzyl ester  
*see* Benzyl formate, [NWJ92-E](#)

>>Derivative: 4-Bromophenacyl ester

**CAS Registry Number:** 10536-76-2  
**Physical Description:** Cryst. (EtOH)  
**Melting Point:** Mp 99°

>>Derivative: 4-Nitrophenyl ester  
*see* 4-Nitrophenyl formate, [DVL74-X](#)

>>Derivative: 2,4,5-Trichlorophenyl ester