



**Boiling Point:** Bp 274.5°  
**Solubility:** Insol. H<sub>2</sub>O; sol. org. solvs.  
**Density:** d<sub>4</sub><sup>20</sup> 0.98  
**Refractive Index:** n<sub>D</sub><sup>20</sup> 1.4298

>>Derivative: Di-*tert*-Butyl ester

**Synonym(s):** Di-*tert*-butyl succinate. *tert*-Butyl succinate

**CAS Registry Number:** 926-26-1  
**Molecular Formula:** C<sub>12</sub>H<sub>22</sub>O<sub>4</sub>  
**Molecular Weight:** 230.303  
**Accurate Mass:** 230.15181  
**Percentage Composition:** C 62.58%; H 9.63%; O 27.79%  
**Use/Importance:** Sterically-hindered reagent for use in Stobbe condensations  
**Melting Point:** Mp 36.5°  
**Boiling Point:** Bp<sub>9</sub> 109-110°

>>Derivative: Dibenzyl ester

**Synonym(s):** Dibenzyl succinate. Benzyl succinate

**CAS Registry Number:** 103-43-5  
**Molecular Formula:** C<sub>18</sub>H<sub>18</sub>O<sub>4</sub>  
**Molecular Weight:** 298.338  
**Accurate Mass:** 298.12051  
**Percentage Composition:** C 72.47%; H 6.08%; O 21.45%  
**Melting Point:** Mp 49-50°  
**Boiling Point:** Bp<sub>14</sub> 238°  
**Solubility:** Insol. H<sub>2</sub>O; sol. EtOH, Et<sub>2</sub>O, C<sub>6</sub>H<sub>6</sub>  
**Rare Chemicals Library:** S45645-4

>>Derivative: Difluoride

**CAS Registry Number:** 675-74-1  
**Molecular Formula:** C<sub>4</sub>H<sub>4</sub>F<sub>2</sub>O<sub>2</sub>  
**Molecular Weight:** 122.071  
**Accurate Mass:** 122.017936  
**Percentage Composition:** C 39.36%; H 3.30%; F 31.13%; O 26.21%  
**Boiling Point:** Bp 154-156°  
**Other Data:** Poorly descr. in the lit.

>>Derivative: Me ester-chloride

**CAS Registry Number:** 1490-25-1  
**Molecular Formula:** C<sub>5</sub>H<sub>7</sub>ClO<sub>3</sub>  
**Molecular Weight:** 150.561  
**Accurate Mass:** 150.008372  
**Percentage Composition:** C 39.89%; H 4.69%; Cl 23.55%; O 31.88%  
**Physical Description:** Liq.  
**Boiling Point:** Bp<sub>18</sub> 92-92°

>>Derivative: Et ester-chloride

**CAS Registry Number:** 14794-31-1  
**Molecular Formula:** C<sub>6</sub>H<sub>9</sub>ClO<sub>3</sub>  
**Molecular Weight:** 164.588  
**Accurate Mass:** 164.024022  
**Percentage Composition:** C 43.79%; H 5.51%; Cl 21.54%; O 29.16%  
**Physical Description:** Liq.  
**Boiling Point:** Bp<sub>11</sub> 88-90°  
**Refractive Index:** n<sub>D</sub><sup>20</sup> 1.4370  
**Aldrich:** 19070-5