



**CAS Registry Number:** 30673-60-0  
**Molecular Formula:** C<sub>13</sub>H<sub>26</sub>O<sub>2</sub>  
**Molecular Weight:** 214.347  
**Accurate Mass:** 214.19328  
**Percentage Composition:** C 72.85%; H 12.23%; O 14.93%  
**Boiling Point:** Bp<sub>2</sub> 105°  
**Density:** d<sub>4</sub><sup>20</sup> 0.86  
**Refractive Index:** n<sub>D</sub><sup>20</sup> 1.4280

>>Derivative: Isopropyl ester  
Synonym(s): Isopropyl decanoate

**CAS Registry Number:** 2311-59-3  
**Molecular Formula:** C<sub>13</sub>H<sub>26</sub>O<sub>2</sub>  
**Molecular Weight:** 214.347  
**Accurate Mass:** 214.19328  
**Percentage Composition:** C 72.85%; H 12.23%; O 14.93%  
**Boiling Point:** Bp<sub>2</sub> 88-89°  
**Density:** d<sub>4</sub><sup>20</sup> 0.85  
**Refractive Index:** n<sub>D</sub><sup>20</sup> 1.4242

>>Derivative: Butyl ester  
Synonym(s): Butyl decanoate

**CAS Registry Number:** 30673-36-0  
**Molecular Formula:** C<sub>14</sub>H<sub>28</sub>O<sub>2</sub>  
**Molecular Weight:** 228.374  
**Accurate Mass:** 228.20893  
**Percentage Composition:** C 73.63%; H 12.36%; O 14.01%  
**Boiling Point:** Bp<sub>4</sub> 123°  
**Density:** d<sub>4</sub><sup>20</sup> 0.86  
**Refractive Index:** n<sub>D</sub><sup>20</sup> 1.4305

>>Derivative: Pentyl ester  
Synonym(s): Pentyl decanoate. Amyl caprate

**CAS Registry Number:** 5933-87-9

**Molecular Formula:** C<sub>15</sub>H<sub>30</sub>O<sub>2</sub>  
**Molecular Weight:** 242.401  
**Accurate Mass:** 242.22458  
**Percentage Composition:** C 74.33%; H 12.47%; O 13.20%  
**Use/Importance:** Flavouring ingredient

>>Derivative: Vinyl ester  
Synonym(s): Vinyl decanoate. Ethenyl decanoate

**CAS Registry Number:** 4704-31-8  
**Molecular Formula:** C<sub>12</sub>H<sub>22</sub>O<sub>2</sub>  
**Molecular Weight:** 198.305  
**Accurate Mass:** 198.16198  
**Percentage Composition:** C 72.68%; H 11.18%; O 16.14%  
**Boiling Point:** Bp<sub>10</sub> 119-120°  
**Density:** d<sub>4</sub><sup>20</sup> 0.89  
**Refractive Index:** n<sub>D</sub><sup>20</sup> 1.4370

>>Derivative: 2-Propenyl ester  
Synonym(s): Allyl decanoate

**CAS Registry Number:** 57856-81-2  
**Molecular Formula:** C<sub>13</sub>H<sub>24</sub>O<sub>2</sub>  
**Molecular Weight:** 212.331  
**Accurate Mass:** 212.17763  
**Percentage Composition:** C 73.54%; H 11.39%; O 15.07%  
**Boiling Point:** Bp<sub>5.2</sub> 113-114°  
**Density:** d<sub>4</sub><sup>30</sup> 0.87  
**Refractive Index:** n<sub>D</sub><sup>30</sup> 1.4326