



**Melting Point:** Fp  $-73^{\circ}$

**Boiling Point:** Bp  $99^{\circ}$

**Solubility:** Mod. sol. H<sub>2</sub>O

**Density:**  $d_4^{20}$  0.891

**Refractive Index:**  $n_D^{20}$  1.3844

**Hazard & Toxicity:** Flammable, fl. p.  $12^{\circ}$ , autoignition temp.  $440/476^{\circ}$ . Skin irritant

**Aldrich:** 11230-5

**Fluka:** 81920

**Sigma:** P9131

**Supelco:** S48-2456

>>**Derivative:** Vinyl ester

**Synonym(s):** Vinyl propionate

**CAS Registry Number:** 105-38-4

**Molecular Formula:** C<sub>5</sub>H<sub>8</sub>O<sub>2</sub>

**Molecular Weight:** 100.117

**Accurate Mass:** 100.05243

**Percentage Composition:** C 59.98%; H 8.05%; O 31.96%

**Source/Synthesis:** Manuf. from acetylene and propanoic acid

**Use/Importance:** Monomer for radical polym.

**Physical Description:** Liq.

**Boiling Point:** Bp  $95^{\circ}$

**Solubility:** Insol. H<sub>2</sub>O

**Density:**  $d^{20}$  0.92

**Refractive Index:**  $n_D^{20}$  1.4003

**Other Data:** Q/e values for copolym., Q 0.027, e  $-0.68$

**Aldrich:** 40171-4

**Rare Chemicals Library:** S67900-3

>>**Derivative:** Propyl ester

**Synonym(s):** Propyl propionate

**CAS Registry Number:** 106-36-5

**Molecular Formula:** C<sub>6</sub>H<sub>12</sub>O<sub>2</sub>

**Molecular Weight:** 116.16

**Accurate Mass:** 116.08373

**Percentage Composition:** C 62.04%; H 10.41%; O 27.55%

**Physical Description:** Liq.

**Boiling Point:** Bp  $122^{\circ}$

**Density:**  $d^0$  0.893

**Hazard & Toxicity:** Fl. p.  $79^{\circ}$  (oc). Skin irritant

**Aldrich:** W29581-7

**Fluka:** 82000

**Rare Chemicals Library:** S43169-9

>>**Derivative:** 2-Propenyl ester

**Synonym(s):** FEMA 2040. Allyl propionate

**CAS Registry Number:** 2408-20-0

**Molecular Formula:** C<sub>6</sub>H<sub>10</sub>O<sub>2</sub>

**Molecular Weight:** 114.144

**Accurate Mass:** 114.06808

**Percentage Composition:** C 63.14%; H 8.83%; O 28.03%

**Use/Importance:** Used in fruit food flavouring

**Boiling Point:** Bp  $123-125^{\circ}$

**Aldrich:** W20400-5