



>>Derivative: Semicarbazone

**CAS Registry Number:** 6055-71-6

**Physical Description:** Cryst. (EtOH/Et<sub>2</sub>O)

**Melting Point:** Mp 171°

>>Derivative: Di-Me acetal

**Synonym(s):** 3,3-Dimethoxy-1-propene, 9CI

**CAS Registry Number:** 6044-68-4

**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<sub>120</sub> 40°

**Aldrich:** 19054-3

**Fluka:** 1694

**Sigma:** A0400

>>Derivative: Di-Et acetal

**Synonym(s):** 3,3-Diethoxy-1-propene, 9CI

**CAS Registry Number:** 3054-95-3

**Molecular Formula:** C<sub>7</sub>H<sub>14</sub>O<sub>2</sub>

**Molecular Weight:** 130.186

**Accurate Mass:** 130.09938

**Percentage Composition:** C 64.58%; H 10.84%; O 24.58%

**Physical Description:** Liq.

**Boiling Point:** Bp 123-125°

**Solubility:** Sl. sol. H<sub>2</sub>O; misc. EtOH, Et<sub>2</sub>O

**Density:** d<sup>15</sup> 0.854

**Refractive Index:** n<sub>D</sub><sup>20</sup> 1.4000

**Aldrich:** A2400-1

**Fluka:** 1690

>>Derivative: Ethylene acetal

**Synonym(s):** 2-Vinyl-1,3-dioxolane

**CAS Registry Number:** 3984-22-3

**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%

**Boiling Point:** Bp 114-116°

**Aldrich:** 44035-3

>>Derivative: Ethylene dithioacetal

**Synonym(s):** 2-Vinyl-1,3-dithiolane

**CAS Registry Number:** 14814-94-9

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

**Molecular Weight:** 132.25

**Accurate Mass:** 132.00674

**Percentage Composition:** C 45.41%; H 6.10%; S 48.49%

**Boiling Point:** Bp<sub>14</sub> 88-91°. Bp<sub>0.5</sub> 46-48°

#### References: