



**CAS Registry Number:** 2142-01-0  
**Molecular Formula:** C<sub>15</sub>H<sub>11</sub>NO<sub>2</sub>  
**Molecular Weight:** 237.257  
**Accurate Mass:** 237.078979  
**Percentage Composition:** C 75.94%; H 4.67%; N 5.90%; O 13.49%  
**Physical Description:** Cryst. (EtOH)  
**Melting Point:** Mp 115-116°  
**Aldrich:** 40475-6  
**Rare Chemicals Library:** S34198-3

>> **Derivative:** *N*-Ph  
**Synonym(s):** *N*-Phenylphthalimide. Phthalanil

**CAS Registry Number:** 520-03-6  
**Molecular Formula:** C<sub>14</sub>H<sub>9</sub>NO<sub>2</sub>  
**Molecular Weight:** 223.231  
**Accurate Mass:** 223.063329  
**Percentage Composition:** C 75.33%; H 4.06%; N 6.27%; O 14.33%  
**Physical Description:** Needles (EtOH)  
**Melting Point:** Mp 210°  
**Other Data:** Sublimes

**Aldrich:** 41627-4  
**Rare Chemicals Library:** S55176-7

>> **Derivative:** *N*-(3-Methylphenyl)

**CAS Registry Number:** 2314-76-3  
**Molecular Formula:** C<sub>15</sub>H<sub>11</sub>NO<sub>2</sub>  
**Molecular Weight:** 237.257  
**Accurate Mass:** 237.078979  
**Percentage Composition:** C 75.94%; H 4.67%; N 5.90%; O 13.49%  
**Physical Description:** Needles (AcOH)  
**Melting Point:** Mp 179-180°  
**Other:** PB T16695

>> **Derivative:** *N*-(2-Oxopropyl)

**CAS Registry Number:** 3416-57-7  
**Molecular Formula:** C<sub>11</sub>H<sub>9</sub>NO<sub>3</sub>  
**Molecular Weight:** 203.197  
**Accurate Mass:** 203.058244  
**Percentage Composition:** C 65.02%; H 4.46%; N 6.89%; O 23.62%  
**Melting Point:** Mp 121-123°  
**Aldrich:** 38057-1  
**Rare Chemicals Library:** S61258-8

>> **Derivative:** *N*-Chloro

**CAS Registry Number:** 3481-09-2  
**Molecular Formula:** C<sub>8</sub>H<sub>4</sub>ClNO<sub>2</sub>  
**Molecular Weight:** 181.578  
**Accurate Mass:** 180.993056  
**Percentage Composition:** C 52.92%; H 2.22%; Cl 19.52%; N 7.71%; O 17.62%  
**Use/Importance:** Used as a 0.05*M* soln. in glac. AcOH as an oxidant for direct titrations in aq. AcOH  
**Physical Description:** Cryst.  
**Melting Point:** Mp 183-185°  
**Solubility:** Sol. AcOH, EtOH, C<sub>6</sub>H<sub>6</sub>; insol. H<sub>2</sub>O