



**Physical Description:** Powder (EtOH)

**Melting Point:** Mp 120-121°

>>**Derivative:** Dianhydride

**Synonym(s):** 3*a*,4,4*a*,7*a*,8,8*a*-Hexahydro-4,8-etheno-1*H*,3*H*-benzo[1,2-*c*:4,5-*c'*]difuran-1,3,5,7-tetrone

**CAS Registry Number:** 63527-57-1

**Extra CAS Registry Numbers(s):** 1719-83-1

**Molecular Formula:** C<sub>12</sub>H<sub>8</sub>O<sub>6</sub>

**Molecular Weight:** 248.192

**Accurate Mass:** 248.03209

**Percentage Composition:** C 58.07%; H 3.25%; O 38.68%

**Melting Point:** Mp 374-382° (355°)

>>**Derivative:** Diimide

**Synonym(s):** 3*a*,4,4*a*,7*a*,8,8*a*-Hexahydro-4,8-ethenobenzo[1,2-*c*:4,5-*c'*]dipyrrole-1,3,5,7(2*H*,6*H*)-tetrone

**CAS Registry Number:** 121155-94-0

**Molecular Formula:** C<sub>12</sub>H<sub>10</sub>N<sub>2</sub>O<sub>4</sub>

**Molecular Weight:** 246.222

**Accurate Mass:** 246.064058

**Percentage Composition:** C 58.54%; H 4.09%; N 11.38%; O 25.99%

**Other Data:** Mp >300°

>>**Variant:** (2*α*,3*β*,5*β*,6*β*)-form

**Synonym(s):** 2-*endo*-3-*endo*-5-*endo*-6-*exo*-form

**CAS Registry Number:** 80924-68-1

**Molecular Formula:** C<sub>12</sub>H<sub>12</sub>O<sub>8</sub>

**Molecular Weight:** 284.222

**Accurate Mass:** 284.05322

**Percentage Composition:** C 50.71%; H 4.26%; O 45.03%

**Other Data:** Racemate

>>**Derivative:** Tetra-Me ester

**CAS Registry Number:** 56782-33-3

**Molecular Formula:** C<sub>16</sub>H<sub>20</sub>O<sub>8</sub>

**Molecular Weight:** 340.329

**Accurate Mass:** 340.11582

**Percentage Composition:** C 56.47%; H 5.92%; O 37.61%

**Boiling Point:** Bp<sub>3</sub> 215°

>>**Derivative:** 5,6-Anhydride, 2,3-di-Me ester

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

**Molecular Weight:** 294.26

**Accurate Mass:** 294.073955

**Percentage Composition:** C 57.14%; H 4.80%; O 38.06%

**Physical Description:** Cryst. (EtOH)

**Melting Point:** Mp 115.5-116.3°

>>**Variant:** (2*α*,3*β*,5*α*,6*β*)-form

**Synonym(s):** 2-*endo*-3-*exo*-5-*endo*-6-*exo*-form

**CAS Registry Number:** 80924-69-2

**Molecular Formula:** C<sub>12</sub>H<sub>12</sub>O<sub>8</sub>

**Molecular Weight:** 284.222

**Accurate Mass:** 284.05322

**Percentage Composition:** C 50.71%; H 4.26%; O 45.03%

**Other Data:** Racemate

>>**Derivative:** Tetra-Me ester

**CAS Registry Number:** 56782-35-5

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

**Melting Point:** Mp 62°

**References:**