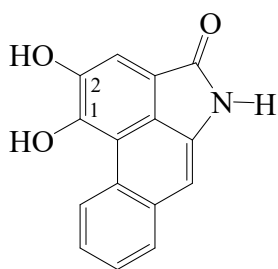




>>Entry Name: 1,2-Dihydroxydibenz[*cd,f*]indol-4(5*H*)-one, 9Cl



**Molecular Formula:** C<sub>15</sub>H<sub>9</sub>NO<sub>3</sub>

**Molecular Weight:** 251.241

**Accurate Mass:** 251.058244

**Percentage Composition:** C 71.71%; H 3.61%; N 5.58%; O 19.10%

**General Statement:** CAS numbering shown. Alternative (phenanthrene) numbering frequently encountered, in which 1,2- are 4,3-repectively

>>Derivative: 1-Me ether

**Synonym(s):** Aristolactam AII

**CAS Registry Number:** 53948-07-5

**Molecular Formula:** C<sub>16</sub>H<sub>11</sub>NO<sub>3</sub>

**Molecular Weight:** 265.268

**Accurate Mass:** 265.073894

**Percentage Composition:** C 72.45%; H 4.18%; N 5.28%; O 18.09%

**Biological Source:** Alkaloid from the roots of *Aristolochia argentina* and *Aristolochia indica* (Aristolochiaceae)

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

**Melting Point:** Mp 271°

>>Derivative: 1-Me ether, *N*-methoxy

**Synonym(s):** Piperlactam S

**CAS Registry Number:** 188546-49-8

**Molecular Formula:** C<sub>17</sub>H<sub>13</sub>NO<sub>4</sub>

**Molecular Weight:** 295.294

**Accurate Mass:** 295.084459

**Percentage Composition:** C 69.15%; H 4.44%; N 4.74%; O 21.67%

**Biological Source:** Alkaloid from leaves and stems of *Piper puberulum*

**Physical Description:** Yellow needles

**Melting Point:** Mp 242-244°

**UV:** [neutral] λ<sub>max</sub> 195 (); 206 (); 232 (); 248 (); 274 (); 284 (); 315 (); 380 () (MeOH)

**Other Data:** A drawing error in CAS (vol 121) erroneously shows this to be identical with Sauristolactam

>>Derivative: 2-Me ether

**Synonym(s):** 1-Hydroxy-2-methoxydibenz[*cd,f*]indol-4(5*H*)-one, 9Cl. **Piperolactam A.** Aristolactam F1

**CAS Registry Number:** 112501-42-5

**Molecular Formula:** C<sub>16</sub>H<sub>11</sub>NO<sub>3</sub>

**Molecular Weight:** 265.268

**Accurate Mass:** 265.073894

**Percentage Composition:** C 72.45%; H 4.18%; N 5.28%; O 18.09%

**Biological Source:** Alkaloid from roots of *Piper longum*, from *Piper attenuatum*, *Piper boehmerifolium*, *Piper hamiltonii* and *Parastolochia flos-avis*

**Physical Description:** Cryst. (C<sub>6</sub>H<sub>6</sub>/MeOH)

**Melting Point:** Mp 303-306 dec.° (271-273°)