

**Untersuchungen an Polyhalogeniden,  
XXXIV [1]**

**Cäsium(18-Krone-6)dichloriodat(I),  
[Cs(C<sub>12</sub>H<sub>24</sub>O<sub>6</sub>)]ICl<sub>2</sub>**

Studies on Polyhalides, XXXIV [1]

Cesium(18-crown-6)dichloriodate,  
[Cs(C<sub>12</sub>H<sub>24</sub>O<sub>6</sub>)]ICl<sub>2</sub>

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Polyhalogenide, Dichloriodate, Crown Complex,  
Cesium Compound, Crystal Structure

The new compound [Cs(18-crown-6)]ICl<sub>2</sub> has been prepared by the reaction of cesium chloride and 18-crown-6 with iodine chloride in ethanol and structurally characterized by X-ray diffraction methods. The geometries of the cation [Cs(18-crown-6)]<sup>+</sup> and of the anion ICl<sub>2</sub><sup>-</sup> are as expected.

\* Sonderdruckerfordernungen an Prof. Dr. K.-F. Tebbe.