



Acta Cryst. (2011). E67, m1449-m1450 [doi:10.1107/S1600536811038748]

Diiodido(1,10-phenanthroline-5,6-dione- κ^2N,N')mercury(II)

A. Ghaemi, R. Shojaiean, S. W. Ng and E. R. T. Tiekink

Abstract: The Hg^{II} atom in the title complex, [HgI₂(C₁₂H₆N₂O₂)], is tetrahedrally coordinated by the N atoms of the chelating 1,10-phenanthroline-5,6-dione ligand and two I atoms. The range of tetrahedral angles is broad, *viz.* 68.94 (17)° for the chelate angle to a wide 132.627 (15)° for the I-Hg-I angle. The ligand molecule is non-planar with the O atoms lying 0.422 (5) and -0.325 (5) Å out of the plane through the remaining atoms [r.m.s. deviation = 0.068 Å]. Molecules are consolidated in the crystal packing by C-H...O interactions.