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Reaction of octantetraone-2,4,5,7 with penta-*p*-tolylantimony

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Abstract

Reaction of *p*-penta-tolylantimony with octantetraone-2,4,5,7 (2:1 mol.) in toluene resulted in the synthesis of binuclear chelate complex $Tol_4Sb[OC(Me)CHC(O)(O)CCH(Me)CO]SbTol_4$. Coordination of atoms Sb(1,2) is distorted octahedral, CSbC and CSbO *trans*-angles vary in the range 158.8(3)-173.2(4)°, bond lengths Sb-C 2.097(10)-2.198(10) Å. In two six-membered metallacycle $[SbO_2C_3]$ Sb-O distances are 2.262(7)-2.290(7) Å, O-C 1.255(12)-1.327(11) Å, C-C 1.318(14)-1.529 (4) Å.