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Synthesis and structure of *bis*(2-metoxybenzoate)triphenylantimony

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Abstract

By interaction of triphenylantimony with 2-metoxybenzoic acid in the presence of hydrogen peroxide in ether *bis*(2-metoxybenzoat) triphenylantimony (**I**) was obtained with 90% yield. According to the X-ray data Sb atoms in the centrosymmetric molecule **I** (C31-Sb-steering axle of order 2) have distorted trigonal-bipyramidal coordination with the carboxylate ligands in axial positions (angle OSbO 173.30(6)°). Bond lengths Sb-O and Sb-C are equal to 2.1305(11) Å and 2.106(2), 2.1255(16), 2.1255 (16) Å, respectively. In molecule **I** there are intramolecular contacts between atoms of Sb and O carbonyl group (2.715(3) Å).