

The synthesis and structure of *bis*(4-nitrophenoxo)tri-*p*-tolylantimony

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Abstract

Interaction of 4-nitrophenol with tri-*p*-tolylantimony in the presence of *tert*-butyl hydroperoxide resulted in the synthesis of *bis*(4-nitrophenoxo)tri-*p*-tolylantimony (86%) per molecule wherein the antimony atom has a distorted trigonal-bipyramidal coordination. OSbO axial angle and the sum of angles CSbC equatorial plane are equal to 177.8 (1)° and 360°. Bond lengths Sb-O and Sb-C constitute 2.091(3) and 2.091(7), 2.111(4), 2.115(5) Å.