

Synthesis and structure of *bis*(salicylaldoximate)triphenylantimony

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Abstract

By the reaction of triphenylantimony with *t*-butylhydroperoxide and salicylaldoxime (1:2:1 mol.) in heptane we obtained bis(salicylaldoximate)triphenylantimony (**I**), which structure was established by X-ray diffraction. Sb atoms in a centrosymmetric molecule **I** (inversion center – antimony atom) have a distorted trigonal-bipyramidal coordination with the oxime groups in axial positions. Bond lengths Sb-C and Sb-O are 2.103(3), 2.103(3), 2.112(2) and 2.073(2) Å, intramolecular contacts Sb...N constitute 2.884(2) Å.