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Crystal and molecular structure of tetraphenylantimony acetylacetonate

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Abstract

X-ray analysis was carried out over the crystal acetylacetonate tetraphenylantimony, which is composed of two types of crystallographically independent molecules. Antimony atoms have a distorted octahedral coordination, Sb-C bond lengths vary in the range 2.111(13)-2.173(12) Å, and in heterocycles (SbO_2C_3) the distances Sb-O and O-C are equal to 2.225(10)-2.274(10) and 1.22(2)-1.28(2) Å respectively.