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## Structural features of triarylbismuth compounds

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## Abstract

According to X-ray analysis, bismuth atoms in the molecules of tris(3-methylphenyl)bismuth have tetragonal coordination with the carbon atoms and unshared electron pair at the vertices of a tetrahedron. Lengths Bi-C bonds and CBiC angles are 2.216(8), 2.222(8), 2.293(9) Å and 93.8(3)°, 95.3(3)°, 96.7(3)°, respectively. Geometric characteristics of molecules of triarylbismuth compounds were analyzed, and the factors that influence the value of Bi-C bond lengths and CBiC bond angles were identified.