

Crystal and molecular structure of *tris*(2-methoxy,5-bromophenyl)bismuth

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Abstract

According to the X-ray molecule of *tris*(2-methoxy,5-bromophenyl) bismuth in its solvate with benzene [(2-MeO)(Br-5)C₆H₃]₃Bi•C₆H₆ (**I**) has a trigonal-pyramidal structure with a lone electron pair on the bismuth atom (C-Bi-C 90.59(13) 93.33(13)°, 93.06 (13) °; Bi-C 2.252(4), 2.256(4), 2.272 (4) Å). In molecule **I** are close intramolecular contacts Bi...O (3.020(4), 3.092(4), 3.081 (4) Å), resulting in the coordination number of Bi atoms increases to seven.