

## O6 : Preparation of triphenylbismuthbis(thiophene carboxylate) neworganobismuth reagents

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### Abstract:

Compounds of organobismuths were developed in the last century because of their ownership catalytic oxidation, arylante and medicinal properties.<sup>1</sup>

In our study, we are interested in preparing new organobismuth reagents in order to aryl various organic compounds.

We decided to focus our study on the synthesis of triphenylbismuthbis(thiophene carboxylate) [Ph<sub>3</sub>Bi(TC)<sub>2</sub>] from thiophene carboxylic acid.<sup>2</sup>

The structure of Ph<sub>3</sub>Bi(TC)<sub>2</sub> has been determined by X-ray analysis and also by <sup>1</sup>H and <sup>13</sup>C NMR.

Note. (TC): thiophene carboxylate

**Keywords:** Organobismuth, triphenylbismuthbis(thiophene carboxylate), thiophene carboxylic acid.

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