

**Pentaphenylbismuth as phenylation agent in reactions with pentavalent bismuth derivatives  $\text{Ph}_3\text{Bi}(\text{Br})\text{OAr}$ ,  $(\text{Ph}_3\text{BiOAr})_2\text{O}$  ( $\text{Ar} = \text{C}_6\text{H}_2(\text{NO}_2)_{3-2,4,6}$ ) and  $(\text{Ph}_3\text{BiOSO}_2\text{C}_6\text{H}_3\text{Me}_{2-2,4})_2\text{O}$**

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**Abstract**

Under mild conditions (20 °C, 0.5 h, toluene) pentaphenyl bismuth phenylates bismuth compounds  $\text{Ph}_3\text{Bi}(\text{Br})\text{OAr}$ ,  $(\text{Ph}_3\text{BiOAr})_2\text{O}$  ( $\text{Ar} = \text{C}_6\text{H}_2(\text{NO}_2)_{3-2,4,6}$ ),  $(\text{Ph}_3\text{BiOSO}_2\text{C}_6\text{H}_3\text{Me}_{2-2,4})_2\text{O}$  to the derivatives  $\text{Ph}_4\text{BiOAr}$  and  $\text{Ph}_4\text{BiOSO}_2\text{C}_6\text{H}_3\text{Me}_{2-2,4}$ , respectively. Another Bi-containing reaction product is triphenyl bismuth.