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Synthesis and characterization of new organotellurium compounds containing an *ortho*-amino group

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Abstract

A range of novel organotellurium compounds with an amino group *ortho* to the tellurium atom (*i.e.* ArTeBr_3 and Ar_2Te , where $\text{Ar} = 2\text{-NH}_2\text{-5-R-C}_6\text{H}_3$; $\text{R} = \text{CH}_3, \text{Br}, \text{NO}_2$) have been prepared by a convenient new route involving reaction of the corresponding 2-aminoarylmercury chloride with tellurium tetrabromide. Reduction of ArTeBr_3 gave the compounds Ar_2Te_2 in good yield; these were treated with chlorine to give ArTeCl_3 in quantitative yield.



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