

Phosphorus, Sulfur and Silicon and the Related Elements 2015 vol.190 N5-6, pages 769-771

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## A Convenient Two-Step Synthesis of Phosponium Salts from Hydroxyarylalkenylphosphine Oxides

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### Abstract

Copyright © 2015 Taylor & Francis Group, LLC. A new two-step method for obtaining of phosponium salts from phosphine oxides was developed. The method includes a cyclization of the dialkyl-2-(2-hydroxy-5-chlorophenyl)-2-phenylethenylphosphine oxides caused by sulfinyl chloride followed by the ring opening under the action of Grignard reagent.

<http://dx.doi.org/10.1080/10426507.2014.974097>

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### Keywords

cyclization, organomagnesium reagents, phosphine oxide, Phosponium salt, ring opening, sulfinyl chloride