

## **New aminophosphonates (aminophosphine oxides) containing acetal groups in reactions with polyatomic phenols**

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### **Abstract**

© 2016 Taylor & Francis Group, LLC. A wide range of phosphorylated  $\alpha$ -,  $\beta$ -,  $\gamma$ -aminoacetals of various structure were obtained by Kabachnik-Fields reaction. Acid-catalyzed reactions of phenols with  $\alpha$ -,  $\beta$ -,  $\gamma$ -aminoacetals provide a new approach to the synthesis of different polyphenols, containing aminophosphonate and aminophosphine oxide moieties, arylsubstituted heterocycles containing phosphonate and phosphinoyl groups. Herein we present a short overview of these reactions.

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### **Keywords**

Aminoacetal, aminophosphine oxide, aminophosphonate, polyphenols