

## **$\beta$ - and $\gamma$ -amino acetals containing phosphine oxide groups. Synthesis and reactions with resorcinol derivatives**

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### **Abstract**

New  $\beta$ - and  $\gamma$ -amino acetals containing phosphine oxide groups were synthesized by the Kabachnik-Fields reaction of  $\beta$ - and  $\gamma$ -amino acetals with paraformaldehyde and dialkylphosphine oxides. Heating of the resulting  $\beta$ - and  $\gamma$ -amino acetals with 2-methylresorcinol and pyrogallol in boiling trifluoroacetic acid afforded (dialkylphosphoryl)( $\omega$ ,  $\omega$ -diarylalkyl)ammonium trifluoromethanesulfonates. © 2014 Pleiades Publishing, Ltd.

<http://dx.doi.org/10.1134/S1070428014060025>

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