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β - and γ -amino acetals containing phosphine oxide groups. Synthesis and reactions with resorcinol derivatives

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Abstract

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

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