Thematic Section:	Preparative Chemistry.				 _ Full Paper
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Subsection: Organic Chemistry. Registration Code of Publication: 12-29-2-13

Publication is available for discussion in the framework of the on-line Internet conference "*Butlerov readings*". http://butlerov.com/readings/

Contributed: February 18, 2011.

Azides of sulfated alginic acid and their reactions with aromatic amines

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Keywords: sulfated alginic acid, azides, amides.

Abstract

Reaction of hydrazide of sulfated alginic acid with sodium nitrite in acidic medium forms the corresponding polymeric azides. Stability of azides in aqueous solution depending on temperature and pH, and also their acylating ability in the reactions with aromatic amines of different nucleophilicity are studied.