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Synthesis of new α -bisaminophosphinoxides

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Abstract

A series of bis- and tetra(phosphinoxymethyl)diamines was synthesized in a threecomponent Kabachnik-Fields reaction starting from a phosphinic acid, formaldehyde, and a diamine. The extracting properties of some selected novel compounds have been studied. Significant diminishing of the amino group basicity in the final products was found. Copyright © Taylor & Francis Group, LLC.

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Keywords

α -bisaminophosphinoxides, Acid-base properties, Diamines