

Synthesis of methyl(1-aminophosphonate)siloxane oligomers

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Abstract

© 2016, Springer Science+Business Media New York. A synthesis of 1-aminophosphonate derivative of methylsiloxane oligomer was developed. A methodology of the introduction of 1-aminophosphonate fragment not only into the stable siloxane structures, but also into hydrolytically unstable alkoxyfunctional organosilicon compounds was suggested.

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Keywords

aminoalkylsiloxanes, aminophosphonates, hydrosilylation, Kabachnik—Fields reaction