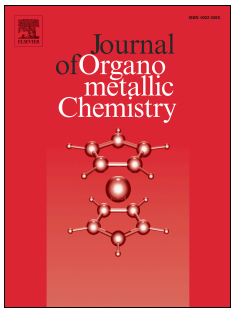
Accepted Manuscript



Synthesis of new monofunctional organosilicon molecules – Prospective efficient stoppers for the design of new siloxane polymers of unusual architecture

Anton A. Anisimov, Yuriy N. Kononevich, Alexander A. Korlyukov, Dmitry E. Arkhipov, Elena G. Kononova, Alexander S. Peregudov, Olga I. Shchegolikhina, Aziz M. Muzafarov

PII: S0022-328X(14)00417-3

DOI: 10.1016/j.jorganchem.2014.09.001

Reference: JOM 18704

To appear in: *Journal of Organometallic Chemistry*

Received Date: 3 June 2014

Revised Date: 26 August 2014

Accepted Date: 1 September 2014

Please cite this article as: A.A. Anisimov, Y.N. Kononevich, A.A. Korlyukov, D.E. Arkhipov, E.G. Kononova, A.S. Peregudov, O.I. Shchegolikhina, A.M. Muzafarov, Synthesis of new monofunctional organosilicon molecules – Prospective efficient stoppers for the design of new siloxane polymers of unusual architecture, *Journal of Organometallic Chemistry* (2014), doi: 10.1016/j.jorganchem.2014.09.001.

Graphical abstract

New previously unknown bulk polyfunctional organosilanes with rigid molecular structure have been synthesized. The molecular structures of compounds **3** and **4** were defined by X-ray data. The possibility of use of prepared compound **3** as blocking agent for preparation of polyrotaxanes was demonstrated on model reaction.