

Synthesis of polycarboxylic dendrimers based on *p*-*tert*-butylthiacalix[4]arene in *1,3*-*alternate* conformation

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Abstract

The series of polycarboxylic derivatives of *p*-*tert*-butylthiacalix[4]arene in *1,3*-*alternate* conformation which can be used as a potential contrast agents for Magnetic Resonance Tomography was synthesized. Structure of synthesized compounds was characterized by a complex of physical methods. It was shown that the Michael reaction is more preferable for obtaining high-generation dendrimers as compared to the Gabriel reaction.