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Synthesis of the monosubstituted pillar[5]arenes with 1-aminophosphonate fragment

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Abstract

© 2016 Taylor & Francis Group, LLC. The novel monofunctionalized pillar[5]arenes containing α -aminophosphonate fragment were synthesized by the Kabachnik-Fields reaction. Besides, a new method for the synthesis of pillar[5]arene containing one phthalimide fragment was proposed.

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Keywords

Kabachnik-Fields reaction, macrocycle, Pillar[5]arene, synthesis, α -aminophosphonates