Full Paper

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Non-template production of 5,7,7,12,14,14-hexamethyl-1,4,8,11tetraazacyclotetradec-4,11-diene and its analogues

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Abstract

5,7,7,12,14,14-Hexamethyl-1,4,8,11-tetraazacyclotetradeca-4,11-diene and its 5,7,12,14-tetraethyl analogue were first obtained by non-template method by condensation of ethylenediamine with acetone, and ethyl methyl ketone, respectively. Synthesized nitrogen containing macrocyclic compounds are intended for use as molecules-«hosts» when creating supramolecular systems.