

Synthesis of tetramethylbranched macrolyde, containing hydrazide fragment, from 4-methyltetrahydropyrane

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Abstract

Starting from the available petrochemical product – 4-methyltetrahydropyrane – efficient synthesis of potentially useful 24-member tetramethylbranched macrolyde, containing hydrazide fragment, with the use on the key stage of [1+1]-condensation of intermediate 3-methyl-7-oxooctyl-3-methyl-7-oxooctanoate with dihydrazide of glutaric acid has been accomplished.