

Abstract

The scope of the bachelor thesis is the synthesis of derivatives derived from the neopentyl skeleton, containing one detection or reactive group and one, two or three sulfonate groups. These compounds have applications for the preparation of molecules capable of electrostatic self-assembly, useful, for example, for modifying positively charged surfaces of stationary phases (e.g. aminopropyl silicagel) in chromatography.

Keywords: *modification of charged surfaces, sulfonate groups, neopentyl derivatives*