

Polynuclear copper(II) complexes with polydentate nanoligands on the basis of aminoderivatives of the hyperbranched polyesters

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Abstract

Coordinationally active polydentate nanoplateforms on the basis of amino-modified hyperbranched polyesters containing 7 terminal amino fragments are synthesized. Synthetic procedure is developed and polynuclear Cu(II) complexes with polyesteropolyamines are prepared. Their composition and stability of the complex forms in DMSO-water solutions are evaluated. It is found that all the compounds obtained exhibit biological activity with respect to the induced asparagine proteinase of *Candida albicans*. © Pleiades Publishing, Ltd., 2011.

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