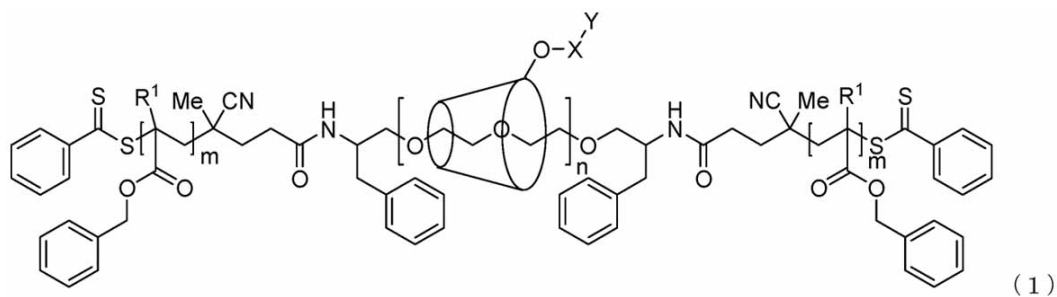


ABSTRACT

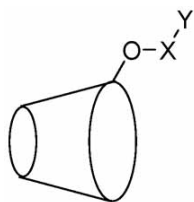
The present invention provides a coating agent for promoting osteoblast differentiation and/or adipocyte differentiation of mesenchymal stem cells, the coating agent comprising a polyrotaxane represented by Formula (1).

[Chemical Formula 1]



wherein R^1 is a hydrogen atom or a methyl group, m is 1 to 2000, and n is 10 to 500,

[Chemical Formula 2]



is a cyclodextrin in which at least one hydroxyl group is modified with a group represented by $-X-Y$, X is a divalent organic group, and Y is a hydroxyl group or a sulfo group.