Summary

The invention relates to the use of polysaccharides, that comprise the sugar building unit N-acylglucosamine, for the preparation of hemocompatible surfaces as well as methods for the hemocompatible coating of surfaces with these polysaccharides, which are classified to be the common biosynthetic precursor substances of heparin and heparansulphates. Described are medical devices coated according to invention, especially stents, which comprise paclitaxel as antiproliferative active agent as well as the use of these stents for the prevention of restenosis.