

ABSTRACT

The present disclosure relates to a copolymer and a polymersome for targeted delivery of biomolecules to a living organism. The exemplary copolymer comprises an initiator block, a propagator block, and a linkage connecting the initiator block and the propagator block. The initiator block comprises a glycan head configured to provide a targeted delivery, and the propagator block comprises a functional moiety configured to provide desired properties for the polymersome.

[Figure 1A]