

ABSTRACT

The present invention provides a block polymer which has functional groups on its both ends, and which comprises hydrophilic/hydrophobic segments. As for the functional groups on its both ends, the block polymer has amino group, carboxyl group or mercapto group on α -terminal, and hydroxyl group, carboxyl group, aldehyde group or vinyl group on ω -terminal. Hydrophilic segment comprises polyethylene oxide, while hydrophobic segment is derived from lactide, lactone or (meth)acrylic acid ester. The block polymer of this invention forms a polymeric micelle which is usable as bio-compatible materials.

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