ABSTRACT

A carrier structure, a drug carrier, and manufacturing methods and use thereof are provided. The manufacturing method of the drug carrier includes: providing an aqueous solution of a negatively charged polymer having 100 parts by weight and a pH value from 6 to 8; providing an aqueous solution of sodium tripolyphosphate having 330 to 1000 parts by weight and a pH value from 6 to 8; providing an aqueous solution of an active substance having 2000 to 3000 parts by weight and a pH value from 6 to 8; mixing these aqueous solutions together; adding an aqueous solution of chitosan having 830 to 2500 parts by weight and a pH value from 3 to 5 to form an active mixture; and making the active mixture react to allow the negatively charged polymer, the sodium tripolyphosphate, the active substance, and the chitosan to self-assemble to form the drug carrier.

FIG.2 accompanies the abstract.