ENTERIC CAPSULE

ABSTRACT

Provided is a capsule excellent in enteric property with the assumption that gelatin is used as a main base material of the capsule coating. An alkali-treated gelatin and carrageenan are contained as base materials of the capsule coating. In the gastric (aqueous) environment, the alkali-treated gelatin which is positively (+) charged coexists with the carrageenan which is negatively (-) charged, and amino groups (NH4+) in the gelatin react with sulfate groups (SO3-) in the carrageenan so that the capsule coating is insolubilized. On the other hand, in the intestinal (aqueous) environment, the alkali-treated gelatin which is negatively (-) charged coexists with the carrageenan which is negatively (-) charged, and the amino groups (NH4+) in the gelatin are repulsive to the sulfate groups (SO3-) in the carrageenan so that the capsule coating quickly disintegrates and dissolves.

[No suitable figure]