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(54) Title: SUSTAINED RELEASE SALTS OF PHARMACEUTICALLY ACTIVE PEPTIDES AND THEIR PRODUCTION

(57) Abstract

Substained delivery pharmaceutical compositions comprise a water insoluble salt of a pharmaceutically active ionic peptide and a counterionic carrier macromolecule. The peptide may be an LHRH antagonist such as cetrorelix and the macromolecule may be an anionic polysaccharide such as carboxymethylcellulose. The salt is prepared using ion exchangers to sepArately remove the counterions from the peptide and the carrier macromolecule thereby forming free peptide/macromolecule ions. These free peptide and macromolecule ions are then combined to form the water insoluble peptide–macromolecule salt.

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