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(54) Title: METHOD OF PREPARING RIBONUCLEASE DIMERS

(57) Abstract

A method for preparing purified ribonuclease dimers is provided which comprise the steps of dimerizing monomeric ribonuclease with a suberimidate coupling reagent, filtering out undimerized monomers and oligomers from the dimer solution using a series of ion exchange resin chromatography steps, monitoring the progress of the reaction through gel electrophoresis, and collecting the purified ribonuclease dimer product. The method is advantageous in that large amounts of the dimeric product can be obtained efficiently and relatively inexpensively, and the ribonuclease dimers so produced can be employed for their beneficial effects in combatting viral and bacterial infections without the cytotoxic effects normally associated with the ribonuclease monomer.

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