



Division of the History of Chemistry
American Chemical Society

Citation for Chemical Breakthrough



Native structure of a protein is determined only
by the protein's amino acid sequence

Reports

Reductive Cleavage of Disulfide Bridges in Ribonuclease

When completely reduced and fully inactive enzyme (1 mg/ml) was subjected to oxidation by air bubbling at room temperature for 68 hours in 0.01M phosphate buffer at pH 7 to 8, ribonuclease activity reappeared to the extent of from 12 to 19 percent of the specific activity of native enzyme.

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