Copy of a printed diagram referenced as "Polypeptide chain configurations"

Contributors

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Wellcome Collection 183 Euston Road London NW1 2BE UK T +44 (0)20 7611 8722 E library@wellcomecollection.org https://wellcomecollection.org or polypeptide chains arranged as shown in Fig. 56a. She yields ighest observed value of 3.5 A. (157), and normally the β -keratins she till lover values, 3.1 to 3.3 A. (14). While it is possible to suppose the ilk and β -keratin have polypeptide chains which are somewhat crumpled contracted from maximum extension, collagen would require rath pecial treatment for explanation of a residue extension as low as 2.86

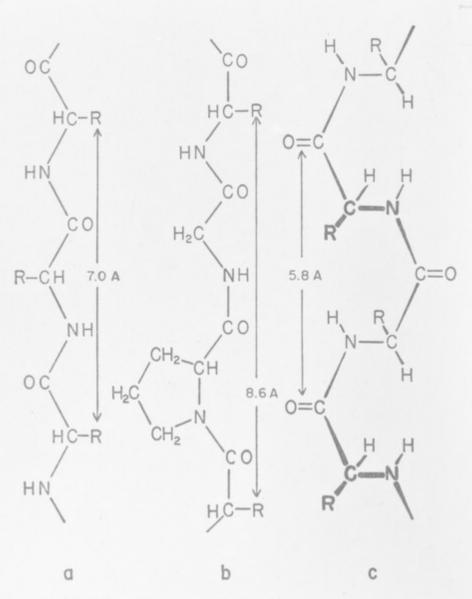


Fig. 30. Polypeptide chain configurations.

Astbury has from time to time proposed different reasons for this leader in collagen. His most recent model (9) is shown in Fig. 30 partial cis configuration of the main chain causes shortening, at time time allowing the prevalent pyrrolidine (of proline and hydrox roline). I glycine (hydrogen) side chains (see Section V. 2) to be