

Folded proteins of α -type

α - keratin

α - myosin - from muscle protein

α - muscle - muscle itself

2 kinds of muscle, smooth & striated, give same picture

Super-contracted keratins

(hair when side-chains broken)

muscle contracts without steaming

\therefore side-chain linkages prob. not developed

Nucleo-proteins

- connected with cell nuclei

chromosomes

viruses

tobacco mosaic virus

- liquid crystals in solution

- crystallizes like globular crystals

dead in a bottle & alive in tobacco plant

nucleic acid - contained in chromosomes

Na thymonucleate

principal spacing 3.34 along chain

side spacing 16 A.U

molecule length 300x breadth (from D.R. of flow)

M.Wt 800,000 \therefore size = 16 x 16 x 5000 AU

