







## Structure

- *Synthetic polymers* are much simpler and random and molecular mass.
- This fact leads to a molecular mass distribution that is missing in *biopolymers*.
- All *biopolymers* of a type (say one specific protein) are all alike: they all contain the similar sequences and numbers of monomers and thus all have the same mass.

This phenomenon is called **monodispersity** in contrast to the polydispersity encountered in synthetic polymers.

As a result **biopolymers have a polydispersity index of 1**. i.e. *biopolymers are monodisperse*.