

Research and Teaching Sets



Research and Teaching Set 1

For students. Contains sufficient atoms and connectors to build ATP, a twelve-residue alpha-helix back-bone or the base pairs of the nucleic acids, but not simultaneously.

Catalog No.	Product
CGS 8088.79	Research and Teaching Set 1

Research and Teaching Set 2

For the smaller laboratory. This Set builds 36 peptide backbone segments in helix forms, three base-pair residues of nucleic acid in double helix form ATP, steroids, etc.

Catalog No.	Product
CGS 8089.79	Research and Teaching Set 2

Research and Teaching Set 3

For the larger laboratory or department where a number of structures, once built, are likely to be left permanently assembled. Constructs 60 peptide backbone segments in helix form.

Catalog No.	Product
CGS 8090.79	Research and Teaching Set 3

Research and Teaching Set 4

Includes the atoms to build small-ring compounds such as Cyclobutane, cyclobutanone, ketenedimer, and derivatives in addition to β -lactams. Also constructs molecules containing functional groups as in alcohols, ketones, aldehydes, esters and amines including their unsaturated derivatives. Useful for demonstrating compounds which undergo photochemical or electron-induced polymerizations as in the acrylates, methacrylates, and other Ethene (vinyl) derivatives.

Catalog No.	Product
CGS 8091.79	Research and Teaching Set 4

Research and Teaching Set 5

Includes the atoms in CPK Models Research and Teaching Set 4 above, but in greater quantity to permit construction of compounds of significant biological interest. For example, antibiotics based on small ring compounds such as those found in the penicillins and cephalosporins.

There are sufficient compounds to build simultaneously two penicillin and two cephalosporin base structures so that the various side chain compounds such as penicillin B, F, K, and flavicidin can be assembled and compared.

This Set also contains components to build 36 peptide backbone segments in helix forms, three base-pair residues of the nucleic acids in double helix form ATP, steroids, prostaglandins, and many other important, naturally-occurring compounds.

Catalog No.	Product
CGS 8092.79	Research and Teaching Set 5