



## 671-2102 Aspartame

Aspartame is a molecule usually produced synthetically. It cannot be digested by the body; however, it tricks the taste buds into detecting a ‘sweet’ flavor. This means that it contains no calories but can be used as a sweetener. Aspartame is most commonly used in diet sodas, sugar free gums, and other foods where sweetness is desired but the product must remain calorie free.

The chemical formula for caffeine is  $C_{14}H_{18}N_2O_5$ . The carbon atoms form a sort of ‘skeleton’, while the oxygen and hydrogen atoms form the rest of the molecule. The nitrogen atoms fill in the rest. This molecule is moderately difficult to assemble.

To assemble your molecule, notice the holes on each particular atom. Press a connector firmly into this hole until it is flush with the surface of the atom. The connection should be firm but still easy to disassemble. Your molecule can be put together and taken apart as many times as you wish.

### **Warranty and Parts:**

We replace all defective or missing parts free of charge. Additional replacement parts may be ordered toll-free. We accept MasterCard, Visa, checks and School P.O.s. All products warranted to be free from defect for 90 days. Does not apply to accident, misuse or normal wear and tear. Intended for children 13 years of age and up. This item is not a toy. It may contain small parts that can be choking hazards. Adult supervision is required.