

UNIVALENT

Meaning: Univalent refers to a substance, such as an antibody or ion, that has a valence of one, meaning it can bind to or combine with one other entity.

1. Univalent antibodies play a crucial role in the immune response by binding to a single target antigen.
2. In chemistry, univalent ions possess a charge of one, making them important in various reactions.
3. The univalent nature of certain viruses allows them to infect host cells with minimal genetic variation.
4. In genetics, a univalent chromosome is one that does not pair with a homologous chromosome during meiosis.
5. The concept of univalent elements is essential for understanding the behavior of certain compounds in organic chemistry.

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